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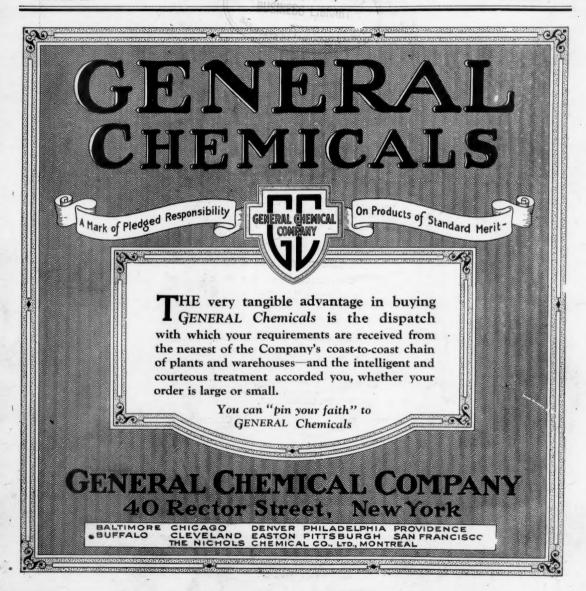
DRUG & CHEMICAL MARKETS

A Weekly Business Paper and Prices Current on Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, AUGUST 6, 1924

NUMBER 6



PHENOL U. S. P. 39-41° C We offer for prompt or future shipment from our East St. Louis works Prime White Crystals PHENOL U. S. P. 950 lb. indestructible steel drums 240 lb. destructible drums crated 100 lb. destructible drums crated We solicit your inquiries Monsanto Chemical Works ST. LOUIS, U.S.A. NEW YORK CHICAGO

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Leather was probably first put to human use shortly after the origin of the race. It rightly ranks as one of the oldest industries.

While the prehistoric tanning of skins for use as wearing apparel is a far cry from the present day leather industry, still, from the very beginning some form of treatment was necessary before the skins could be put to human use. This treatment involved the use of chemicals, as it does to this day.

The Savage discovered that smoke, the sour milk of goats, certain oils extracted from vegetable matter, and even the brains of slain animals when rubbed into the skins improved the texture of the leather. Later developments resulted in the use of certain astringent barks and acids to stop the decay of the skins and to give the leather toughness and durability.

The Dow Chemical Company supplies many chemicals essential to the leather industry. In leather manufacture dependability of the chemicals used is vital to the quality of the finished product. Our long continued relations with the industry enables us to render a competent and adequate service to manufacturers of leather products.

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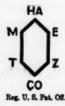
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The Week in Brief

News

The Associated Fertilizer Buyers of America have received potash bids from the Germans at prices much lower than American producers can offer. The contract for nitrate of soda was let to a New York firm, but provision for sulfate of ammonia was left open.

The Federal Wholesale Druggists' Association reports \$60,000,000 business during the year and 15,000 membership.

Fertilizer mixers in Baltimore have advanced acid phosphate and other products \$1 per ton, the first advance in three years.

Markets

Demand for industrial chemicals still confined to moderate quantities. Prices generally steady with a firmer undertone. Strength in metals affecting salts. Sentiment improving with rise in agricultural products and gradual resumption of activity in consuming industries.

Dye and intermediate business for July shows an improvement over that of June. Inquiry reported better and orders more numerous though confined to small quantities. Prices holding steady at former levels.

Fatty oils continue strong with numerous advances. Strength in lard accounts for change in oils. Linseed oil advanced. Menhaden oil higher due to poor catches. Turpentine and rosins advancing.

Fine chemical buying more active last week than for some time past. Menthol is higher on reduced supplies. Thymol is firmer. Citric and tartaric acids quiet.

Essential oils do not appear to be following the other markets. This month's average price is lower than last. Oil citronella, Ceylon, is weak, and Java is scarce. Oil cloves firm.

Crude drugs show little tendency to firmness, except in a few isolated cases. Cascara sagrada buying has been active, but supplies of the new peel appear to be ample for all needs. Insect powder is lower.

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Let the List Speak for Itself!

THE following prominent paper mills use and indorse the Mathieson System for preparing bleach liquors from Liquid Chlorine:

Champion Fibre Company, Canton, N. C.

Consolidated Water Power & Paper Co., Appleton, Wis.

Crystal Tissue Company, Middletown, Ohio.

Dill & Collins Company, Philadelphia, Pa.

District of Columbia Paper Mfg. Co., Washington, D. C.

Hammermill Paper Company, Erie, Pa.

Hamersley Mfg. Co., Garfield, N. J.

Mead Fibre Company, Kingsport, Tenn.

Nekoosa-Edwards Paper Company, Port Edwards, Wis.

Port Huron Sulphite & Paper Company, Port Huron, Mich.

Provincial Paper Mills, Port Arthur, Ont., Can.

Riordon Pulp Corp., Hawkesbury, Ont., Can.

S. George Company, Wellsburg, W. Va.

Sweet Bros. Mfg. Co., Inc., Phoenix, N. Y.

The Smith Paper Company, Lee, Mass.

Could there be any more convincing evidence of the superiority of our System than the names in the above list?

The MATHIESON ALKALI WORKS INC.

PHILADELPHIA

CHICAGO

Deal Direct with



the Manufacturer

SERVICE!



An Improved Service for Users of BENZOLS!

In <u>NEW YORK</u>, <u>NEWARK</u>, <u>CLEVELAND</u> and <u>BOSTON</u> districts big trucks carry direct to consumer—

PURE BENZOL—90% BENZOL—PURE TOLUOL SOLVENT NAPHTHA—COMMERCIAL XYLOL

And NOW-

This service has been extended to the CHICAGO district—with other districts contemplated.

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And the quality remains "BARRETT STANDARD."

The Barrell Company

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New York City

DRUG&CHEMICAL MARKETS

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THE CORNER TURNED IN JULY?

The markets for chemicals, oils, drugs, intermediates, and allied products apparently turned the corner away from the downward trend during July. While the average of price movements for June showed losses in all groups, the same averages for July showed slight gains with the exception of essential oils. In fatty oils, the upward swing of values was most pronounced last month. Industrial chemicals were on the decline for most of July, but just before the close of the month, stiffened materially and resisted further price pressure. A few advances in the heavy metal salts accounted for the last minute gain of a point or two in the average. In medicinal chemicals, the gain was sufficiently slight as to be negligible. During July, the general decline in botanical drugs ceased and a slight rebound was recorded.

Interpretation of the movement of chemical and drug prices seems to indicate that business generally did the strictly unorthodox thing of improving during July. When compared with June, however, July did not have to show a great deal in order to get its name in the improvement column. June was the culmination of an extremely dull six months during which most consumers might just as well have been in Africa as far as their interest in raw materials was concerned. July, judging from appearances, saw general business wake up, cast its eyes toward September-October, and decide that it was about time to get ready.

During the whole month of July, chemical and drug buying for immediate delivery was very restricted. Most of the activity was very evidently based on the belief that trade could not sleep forever, and that this coming Fall would be the time of the long awaited awakening. The number, character, and source of inquiries since July 15 have been the encouraging factor which points to better business to come. The barometers of business, not excepting the New York Stock Exchange, give every assurance of industrial activity and wider profits just ahead, and on this assurance, new strength in chemicals, oils, drugs, and numerous other commodities is based.

THE BROKER AND COMMISSIONS

Who shall pay the broker, the seller or the buyer? In many trades throughout the country, definite practice in this respect is quite well established. The coffee trade has its customs and regular percentage, the cotton exchange have others, the produce exchanges have theirs, and the stock exchanges follow regular procedure. In chemicals, drugs, essential oils, and allied materials, circum-

stances and the sale in question determine who pays the buying and selling expense, according to which class it may fall in. Some brokers receive commissions exclusively from the buyer, while others only from the seller. Brokerage practice is not defined as a chemical and drug trade custom, but has always been a matter for the individual broker to decide.

In most trades where brokers function, the factor who gives the broker the work to do, pays the commission. Sometimes, the buyer pays, and sometimes it is the seller. If a consumer desires to purchase ten tons of a chemical through a broker, he calls on one who, because of his experience, can buy for him to best advantage. The buyer is receiving expert service, a service which protects his interests. Why should he not pay for it? On the other hand, if an importer brings in a large lot of a product and requests a broker to

a large lot of a product and requests a broker to offer the material to various buyers with whom the broker is acquainted, the service is primarily for the account of the seller, and he should pay the commission.

Buying and selling are both service. In fairness to the suppliers of either service, they should be paid for by the factor to whom they are supplied. Expertness in any field, be it law, science, or trade, is worth a price when it is put to work. Brokers in the chemical and drug fields should make an effort to standardize brokerage commission practice. If they start with the motto, "he who is served shall pay for the service", they cannot go far off the track.

RECALL THE CHEMICAL AMBASSADORS

More good friends of the American chemical industry are doubtless to be found in Great Britain than in all other foreign countries, and no chemical trade paper from overseas has consistently displayed so intelligent and amiable an attitude towards American chemical progress and the problems of our industry since the War as "The Chemical Age" of London. Therefore, when this publication, speaking of the resentment raised abroad by the demands of the investigators of the Tariff Commission for information as to costs and production, points out that "our American friends should know that this policy is causing no little irritation in friendly business quarters' their words deserve more than passing considera-Their friendly suggestion carries further than the ill-natured complaint of the Norwegian chemical paper on the same subject.

This is not, by any means, the first time this thought has come to us from across the Atlantic. It will be remembered that at a meeting of the

Salesmen's Association last winter, the American representative—a native-born and truly patriotic citizen-of a large Swiss fine chemical manufacturer, an old house long well-known in our midst. said rather pointedly that European chemical manufacturers considered their costs and production figures their own business. Our own correspondents in Paris, Berlin, and London, at our request, interviewed executives of representative firms, and the statements made to them, which we published, emphatically supported this contention. Even Dr. Breithut, a gentleman and a chemist almost ideally equipped for such a delicate task of business diplomacy, has admitted, since his return and speaking publicly before the Synthetic Organic Chemical Manufacturers, that when he visited German plants he was carefully conducted through the museums, the box factories, and the cafeterias; and hurried through or barred from the real working plant units. Nor does he apparently place great credence upon the masses of facts and figures that were supplied him.

From the practical point of view it is more than dubious whether these so called "chemical ambassadors" of the Tariff Commission are collecting data of any value whatever. Who can doubt that this is the case, and being the case, of what practical value can it be to send out men who are building ill-will? A good way to answer the question is to ask how American chemical manufacturers would regard official visits from tariff representatives of Great Britain, France

Norway. Japan, or Germany.

UNDERBID AMERICANS ON POTASH

Buyers for fertilizer mixers say that the potash prices of domestic producers are high compared with German Potash Syndicate offers. The probability is that the Germans will get the contract from the Associated Fertilizer Buyers of America, comprising manufacturers who purchase large tonnage. The cheaper price made by the Germans is easily accounted for, potash being admitted to the United States free of duty, and wages in Germany being much lower than in this country.

Efforts were made to obtain protection for the American industry, but propaganda and prejudice induced Congress to side-track the bill amending the Act of 1922. Under paragraph 1,645 the act provides: "Potassium chloride or muriate of potash, potassium sulfate, kainite, wood ashes and beet-root ashes, and all crude potash salts not specially provided for, Free." Paragraph 1,646 admits potassium nitrate or saltpeter, crude, free.

Many millions of dollars are invested in American potash companies and the production is sufficient to come in strong competition with German and French potash, but the cost of production with special reference to higher wages puts the American potash producers at a disadvantage when bidding against the Germans. The question of a tariff amendment will come up at the next session of Congress and the American Protective Tariff League will present convincing facts and figures

in behalf of domestic producers, but such large quantities of potash are being brought into the country that the importers will be able to outbid Americans for some time to come, even if the proposed amendment is adopted.

Manufacturers of toilet goods who use collapsible tubes could save a great deal of money by adopting a standard size. The tubes could be made much cheaper and the cartons in which they are packed would cost less. The Division of Simplified Practice says there are 40 different diameters in tubes now in use. The dies, tools and machinery employed to make all these sizes add to the cost, and a great deal of time is lost by skilled workmen. In the trade competition of the next few years, even a small saving may be worth considering.

One plain and costly lesson learned since August 1914 is that under the conditions of modern warfare certain key industries are essential to national defense. Of these the chemical industry has been well called the "master key." Except when polities touch industrial or patriotic matters we are strictly non-partisan; but under the circumstances we are constrained to quote, with a fervid 'Amen', the personal message of the newspaper columnist—"To Gov. Charles W. Bryan of Nebraska: Oh blaa!"

Many Men: Many Minds

"Speaking of telephones," says the Albany "Herald" 'here's something else to wonder about: Why are the wrong numbers never busy?"

A year ago, in June, 1923, factory payrolls reached the highest point of the expansion in manufacturing which was then under way. Weekly payrolls were estimated to be at least \$38,000,000. This June they were down to about \$32,500,000. This is a cut of five and a half million dollars in the weekly income of a large group of the population.—Bernard L. Shientag, N. Y. State Industrial Commissioner.

Thirty-five business corporations were asked by W. S. Chandler, secretary of the National Association of Purchasing Agents, Woolworth building, New York, to estimate what, in the opinion of the officers of each company, might be saved in purchasing and accounting departments provided all invoices received by the corporation were on the National Standard Invoice Form. The estimated economies varied in the thirty-five cases, but the total estimated savings amounted to \$21,700, making an average of \$620 for each of the thirty-five companies.

Describing the uses of copper the "Philadelphia Ledger" says: "Christ Church, Philadelphia, has a 175-year-old copper roof under which George Washington, Benjamin Franklin, Betsy Ross and other historical personages worshipped. The roster of the uses of copperruns up to huge apparatus weighing tons. Churning water turbines of bronze (an alloy which is, roughly, ninety parts copper and ten of tin) convert the energy of tumbling waters into electrical current that furnishes the light, heat and power, transmitted over wires and cables of copper, to drive trains, operate motors, illuminate our homes and highways, cook our foods, carry our voices over land, under the sea and through the air.



Production and Uses of Gambir Extract

Dutch East Indies Turns Out 15,000,000 Pounds Yearly of the Highest Priced Tanning Material

By K. R. BLOKZEJL, Buitenzorg, Java

Extract of gambir is the chewing

tobacco of the Dutch East Indian

natives. It is also the tanning ma-

S the use of tanning materials is on the increase in the world, and since the temperate zones are no longer able to meet the demand for these products, it has become necessary to cover the present requirements in territories overseas. This explains why

materials which were only one or two decades ago practically unsaleable in Western countries, are now

eagerly sought after.

Yellow catechu or "gambir" (by which name it is generally known in the Malay archipelago) is an example of this, for at the beginning of the nineties this product was almost unknown on the world market, whereas today it is recognized both in the United States and in Europe as being one of the most valuable tanning agents in existence. In fact, the material possesses characteristics which no other tans possess, so that it is used and can be used with excellent results in the production of almost every kind of leather.

The product is and always has been used by the native population

of the Dutch East Indies as a luxury, i.e. for "sirih"chewing, a habit which is as general throughout the East as tobacco-smoking is throughout the West. This use is mainly due to the presence of catechine. It is further employed in the colony in leather tanning and, in smaller quantities, for tanning ropes, fishing nets and sail cloth.

Plantations Owned by Chinamen

The cultivation of the gambir shrub is confined to Sumatra, the Malay Peninsula, Borneo, and the surrounding smaller islands. In the Rhio-Lingga archipelago, the small islands off the east coast of Sumatra, gambir is grown in combination with pepper. The plantations are mainly in the hands of natives or Chinamen, only in Sumatra and in the Western Division of Borneo a few European-owned estates are to be found. The largest European run plantations are those laid out in the Asahan district, Sumatra. These are owned by the "Goenoeng Malajoe Plantagengesellschaft" (a Swiss concern with headquarters in Zurich). At the end of 1921, the estates in this part of the island covered some 1,700 hectares (3,000 acres); 1,700 Javanese coolies being employed on these estates.

Climatic conditions have a great deal to do with a successful cultivation of the gambir plant. The climate must be damp, and a rainfall of about 3,000 millimetres, regularly distributed over the entire year, with intervals of bright sunshine, are necessary. Such conditions only prevail in districts close to the equator, and for this reason the central parts of Sumatra and the western parts of Borneo are most suitable for gambir growing. Moreover, cultivation is only remunerative in the low-

lands, for at a height of 1,200 to 1,500 feet above sea level the yield

of leaves is too small.

Under favorable conditions gambir grows rapidly, and if the plantations are properly looked after, they begin to yield after one year; thereafter the leaves may be cut every six months. A properly managed plantation has a life of from 15 to 20 years, but native run plantations hardly ever reach this age. Some only pay during 5 or 6 years, and the best for not more than 12 years.

terial for many high grade leathers. Twenty-five or thirty years ago, native consumption took all that was produced. Because of the abundance of other tanstuffs, American and European tanneries had little use for it then. Gradually, tanning has become its chief use. Because of its high price, it is of necessity confined to better quality skins. With the introduction of more modern growing and extracting methods, future costs will The product prepared from the be cut so that it may compete with coagulated leaf extractive is known the cheaper extracts.

Two Chief Types of Gambir

to the trade as "block gambir."

consists of the pure extract of the gambir leaves without anything being removed from, or added, to it. The color is very dark, both outside and at the fracture, owing to the high percentage of tannic acid and extracted substances. "Cube gambir" is purer and quite dry, but somewhat less rich in tannin. When properly prepared, the color is light brownish red, and at the fracture light yellow. Cube gambir is really the product made by the Chinese for the eastern markets, although it is also extensively used in Europe and America. It is more expensive than "block gambir." The native methods of preparation yield a product, relatively much richer in catechine than that produced by the Chinese. Unwittingly, advantage is taken of the difference in the solubility of catechine and that of tannin. The first named is hardly soluble in cold water but readily dissolves in hot, whereas tannin is easily soluble even in cold water. The weight of the dry catechu prepared by the Chinese is to that of

To prevent the cubes from losing their original shape whilst being dried-and therefore becoming useless for the eastern trade, which retails the article by the piece and not by weight-it is necessary to mix some fine, well sifted and usually roasted, rice bran with the extract while it is still soft. The original shape is thus retained and the texture becomes more porous. Borneo gambir is sometimes adulterated with yellow clay, a practice which has been very detrimental to the reputa-

the cleaned leaves as one to six.

tion of the product. This adulteration, however, is not so much of a fraud as a wrongly chosen device to keep going an industry which is unremunerative when prices are low.

The production of gambir in the Dutch East Indies is much larger than would appear from the export statistics, the local trade being very important. Singapore is chiefly a port of transhipment, and the large quantities which it receives from Sumatra and the Rhio-Lingga Archipelago are distributed from there over the whole world.

Tanning Chief Export Use

The following table shows the direct exports of yellow catechu for the years 1915 to 1922, inclusive:

Year.	otal exports Kilos	U.S.A.'s share Kilos
1915	 6,895,200	190,700
1916	 7,199,000	179,300
1917		1,100,200
1918	 5,918,000	190,700
1919	 8,034,700	473,100
1920	 4,942,800	263,900
1921	 5,902,400	822,600
1922	 6,531,500	1,945,800

The exported product is used mainly in tanneries. It is highly appreciated as a tanning agent since it is obtainable in abundance during the entire year and may be used for the preliminary tanning process, the tanning proper, and the final tanning. It is especially suitable for preparing harness and upper leather, and in general for such kinds of leather as must be finally treated with fat.

The material is very useful in the final tanning, because it produces a clear and equal color which appears very gradually, so that shading can be controlled. The high price of really pure catechu is, however, still an obstacle to its general use in hide tanneries and limits its application to the better kinds of leather. By modernizing the process of preparation, the cost price may be reduced considerably, and its general application made possible.

Besides being used in tanning, the material is put to many other uses. It enters largely into the silk industry, e.g. at Lyons, France, as a dyeing agent, and that in spite of the competition with aniline dyes. The color it produces appears to be richer and warmer. Furthermore, the article is used in breweries as a substitute for hops, both for its clarifying properties, to precipitate albumens, and to give the beer its well-known bitter flavor.

During last year, the price for cube gambir at Padang, Sumatra, ranged from Glds. 30 to 50 a picul (136 lbs.), according to quality.

At the market of Palembang, Sumatra, the article is divided into two sorts, viz.: Musi-gambir, which is chiefly exported to Medan, and Biara-gambir, which is shipped for the greater part to Java. Prices for these sorts were from Glds. 0.80 to 1.10 a packet containing 150 cubes, weighing about 0.3 kilo.

Manufacturing Chemists' Association of America has approved a report from one of its committees on insecticides of a poisonous character which is to be incorporated in a general report to the American Railway Association on the general subject of the transportation of poisonous and dangerous materials.

Edward Maxson has asked to be relieved as receivefor the American Synthetic Dyes, Inc., Newark, N. J. Although in charge for two years, the receiver has found no assets and has received no claims against the company.

GERMANS OFFER LOW POTASH PRICES (Special to DRUG & CHEMICAL MARKETS)

Baltimore, Aug. 6.—The Buying Committee of the Associated Fertilizer Buyers of America, comprising manufacturers of mixtures, who met at the Hotel McAlpin in New York last Tuesday, closed a contract for nitrate of soda with Wessels, Duval & Co., New York. The amount of the contract is not announced, nor is the price given, but in some quarters the statement is made that the quantity does not cover the requirements of the manufacturers. The price is said to be subject to the fluctuations of exchange, and depends upon the rates which happen to prevail at any particular time.

The committee decided that the potash contracts shall be made on Aug. 10, but provision for sulfate of ammonia was left open. The potash prices named by domestic producers were considered too high, the German producers offering much lower quotations, especially, the Stickstoff Syndikat.

The Associated Buyers includes not less than sixtyeight fertilizer manufacturers, and the Buying Committee is comprised of George A. Whiting, president of Standard Guano Co., Baltimore; E. C. Hutchinson, president Trenton Bone Fertilizer Co., and W. F. Bispels, M. L. Shoemaker & Co., Inc., Philadelphia.

MAY START SOLVENTS PLANTS SEPT. 1

Commercial Solvents Corp., New York, reports that with a continuation of the present demand for butanol, they will probably start the operation of their Terre Haute, Ind. and Peoria, Ill. plants by Sept. 1. The plants have been closed down since July 1, the one in Indiana for repairs, and the other because of depressed business conditions. They look for cheaper raw material in the Fall, when the new corn crop is harvested. To manufacture butanol at the present price of corn would make the price excessive for ordinary use. The company has contracts with Eastman Kodak Co., E. I. du Pont de Nemours & Co., Egyptian Lacquer Mfg. Co., and Maas & Waldstein Co., running for two years on a cost plus basis, which nets them about \$500,000 profit annually.

The value of exports of Canadian chemicals and allied products has increased steadily during the past two years, according to the Chemical Division of the Department of Commerce. Shipments in the fiscal year ended March 31, 1924, amounted to \$14,705,520, compared with \$13,746,050 during the preceding year, and \$9,278,582 in the fiscal year 1921-22. The United States continued to be Canada's best export market for chemicals, being credited with 52 per cent of the shipments, compared with 58 per cent in 1922-23 and 64 per cent in 1921-22. Whereas the percentage of trade with the United States showed a steady decline, exports to Great Britain rose from 16 per cent of the total value in 1921-22 to 22 per cent in 1922-23, and 35 per cent in 1923-24.

The new plant of Pittsburgh Sheet Glass Co., at Washington, Pa., began operations on July 26 with more than 100 men. The factory is expected to be in complete operation in about one week, with a total force of 225. The Pittsburgh Sheet Glass Co. also operates a plant at Morgantown, W. Va. Walter A. Jones is president and J. L. Keener secretary-treasurer. Charles E. Palmer is general manager of the new plant, which was erected at a cost of \$800,000. Plans have been made for additions which will bring the number of employees up to 700.

R. C. Anthony of the chemical department of Henry W. Peabody & Co., importers and exporters, New York, is in Europe on a business trip for his firm.

Year's Imports Greatly Exceed Exports

Chemical Division, Department of Commerce, Reports 2 Per Cent Advance In Exports Over Previous Year, and 5 Per Cent Decline in Imports—Greater Activity In Coal-Tar Chemicals—Fertilizer Trade Remains Steady—Industrial Chemical Imports Declined 27 Per Cent and Exports Were 6 Per Cent Less Compared With Previous Fiscal Year—Sodas Also Declined, Both in Exports and Imports

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Aug. 6 .- During the fiscal year ended June 30, 1924, the exports of chemicals and allied products advanced 2 per cent from an aggregate value of \$135,857,622 in the previous year to \$138,670,978 for the year just ended, while the imports, during the same period, declined 5 per cent from \$205,155,376 to \$193,-813,823, according to the Chemical Division of the Department of Commerce. On the whole the trade showed a healthy condition for the twelve months just ended with no startlingly large decreases or increases in exports, although the imports recorded marked fluctua-The export trade was greater during the last six months of 1923 than during the first six months of 1924, while the reverse was true of the imports. While the figures show that imports are considerably in excess of the exports, it must be remembered that the bulk of the imports are of crude materials and commodities, many of which are not available in this country.

An increased activity was evident in the foreign trade of coal-tar chemicals when both imports and exports showed gains of 46 per cent for the former and 13 per cent for the latter. The larger gain for the imports is attributed to the 93 per cent advance in crudes which incidentally accounted for nearly three-quarters of the total coal-tar imports of 1924. For the fiscal year 1923-24 the coal-tar chemicals exported aggregated \$11,547,523 and the imports \$20,527,226.

Imports of coal-tar colors, dyes, and stains amounted to 3,084,989 pounds, valued at \$4,002,708, a decrease from the previous year, about one-half of which came from Germany, while the imports totaled 17,105,602 pounds, valued at \$5,408,832, an increase from the previous year. Imports of coal-tar medicinals, which also recorded a slight decrease in 1924, were likewise below the exports, having reached the figure of \$205,034 for the former, and \$233,917 for the latter.

No marked gains in either imports or exports of fertilizers and fertilizer materials characterized the foreign trade of the United States during the periods. The imports of fertilizers and materials are by far the more important, the total value of \$66,169,950 representing over one-third of the total value of chemicals and allied products; exports aggregated \$18,357,290. The nitrogenous fertilizers were the leaders in imports, forming over three-quarters of the total; with imports of sodium nitrate, the principal commodity amounting to 951,904 tons, worth \$45,649,327 in 1923-24. Receipts of potash fertilizers were second and amounted to 637,495 tons, worth \$10,582,786, while phosphates were only 66.820 tons, worth \$1,785,534.

The leading commodity in exports of fertilizers was sulfate of ammonia, which accounted for nearly half the total exports. No marked change was made in the exports of phosphate rock, which always has been an important American export commodity. A significant feature of the export trade was the fact that double the amounts of prepared fertilizer mixtures were sent abroad during the past year, \$1,650,391 (34,129 tons).

Whereas a year ago the values of the exports and imports of industrial chemicals were approximately the same, the decline of 27 per cent in imports and of 6 per cent in exports during the current fiscal year, has brought about a difference of 30 per cent in favor of the exports.

Acids and anhydrides, exports of which dropped nearly a quarter, recorded an increase in imports although exact comparisons are not available, inasmuch as figures for many of the classes do not include the period between July 1-Sept. 22, 1922.

The foreign trade in bleaching powder diminished in both amounts sent out and brought in, with foreign sales considerably in excess of foreign purchases.

The class of sodas and sodium compounds, which constitutes the leading export group of the industrial chemicals, fell slightly, probably due to keener competition on the part of foreign countries, particularly England. At the same time, imports showed a slowing up.

Another import commodity which showed a marked falling off during the past year was arsenic sulfide, which dropped from \$429,959 (4,817,424 pounds), to \$51,500 (474,571 pounds).

FRANCE MEETING ITS DYE NEEDS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Aug. 4.—"There is a striking resemblance between the struggles of the French and American dyestuffs manufacturers in their attempts during and since the war to build up self-sufficient industries; and, considering the difference in the color requirements of the two countries, their accomplishments are almost parallel," says Frank B. Gorin, special agent of the Chemical Division, Department of Commerce, in a review of the French dyestuff industry. Mr. Gorin continues:

"Both countries imported about 90 per cent of their dyestuffs needs in pre-war years and almost exactly reversed the situation in 1923, when each produced over 90 per cent of its domestic requirements.

"The French industry manufactured over 21,000,000 pounds of dyestuffs in 1923, and although its production did not include the highly important anthraquinone vat dyes, which are being manufactured to a large extent in the United States, Great Britain, and Switzerland, the accomplishments of the French industry along other lines, notably colors of oxyquinone indophenol, oxazine, and thiazine dyes, are worthy of note."

Complaints by small consumers of phosphorus that they are unable to obtain supplies from American makers, and calling for a removal of the duty of eight cents, are now reported reaching Washington. Makers have answered the complaints by stating that the industry was previously put out of business by foreign competition, and is only now beginning to recover.

William B. Lewis of Chicago, for many years connected with E. I. du Pont de Nemours & Co., Wilmington, Del., died recently at Yellowstone Park in his seventy-second year. He was born in Kenosha, Wis. He joined du Ponts in 1903, but retired from active business in 1918.

Adgar C. Bain, formerly of the Atlas Steel Corp., has joined the research staff of Union Carbide and Carbon Research Laboratories, Long Island City, N. Y.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 416-418

CALCIUM ARSENATE DEMAND MARKS TIME

Dry Weather in South Has Reduced Poison Consumption—Copper Sulfate Stronger—Tin Salts Higher Due to Rise in Tin—Barium Compounds Weak—Sodium Acetate Stronger—Fertilizers Improving—Better Undertone to Market

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Acid Phosphate, \$1.00 ton. Tin Bichloride, 1%c tb. Copper Sulfate, Imp., 10c 100 tbs.Tin Crystals, 2%c lb. Tin Tetrachloride, 2%c lb.

Calcium Arsenate, ½c tb. Barium Chloride, Imp., \$1.00 ton. Sodium Prussiate, Dom., ½c tb.

ar Pre.
191/2 \$ 07
00 20.00
50 2.65
50 1.50
00 4.50
87 .08
50 .60
50 1.42
65 .063/4
25 .18
.79 2.99

Interest in industrial chemicals has been increasing steadily since the beginning of the second half of the year. While the actual volume of business has shown no large increase, the improvement has been sufficient to create a better feeling in the trade and a better undertone in chemicals. Orders are still confined to moderate quantities for immediate delivery, but occasionally a contract order comes through for the balance of the year. While chemical prices have not yet been affected to the point of general advances, it is believed that the turning point has been reached and that the next few months will see increased interest and buying, and resultant advances in prices. Consuming industries are taking on renewed interest as resumption of operations is reported in several industries, notably the textile and paper industries. The continued strength in grains, cotton and hogs is being reflected in better conditions in trade in general. Price trends have been transformed and advances are outnumbering declines.

Acid Acetic—Fair demand and prices steady. Makers quote 28%, \$3.12@\$3.37 in barrels; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76.

Acid Formic-Moving well at 12½c@13c lb. for imported material.

Acid Oxalic—Holding at recent levels and no great improvement in demand. Domestic quoted at 93/4c@10c lb. Imported at 91/2c@93/4c lb., spot.

Acetone—Prices are at variance according to producers. C.P. by the fermentation process is named at 15c@16c lb. for limited quantities. By the acetate of lime process, maker reports good demand and a sold up condition for next month or two. His prices are 17c@18c lb. as to quantity, 17c in carlots and 17%c@18c in less. Methyl acetone holding at 70c@75c lb.

Arsenic—No important developments. Occasional sales are reported at 7½c lb., though generally named at 7½c@8½c lb. for cases and kegs. A contract price of 7¾c lb. is understood for domestic material in one direction.

Barium Compounds—Chloride is weak and some low prices are mentioned but difficult to confirm. Generally named at \$77.00@\$78.00 ton for imported. Carbonate is quiet at \$60.00@\$61.00 ton. Nitrate, 8c lb. spot.

Bleaching Powder—Buying is reported good for the season. Prices are being maintained at \$1.90@\$2.15 for large and small drums at works.

Calcium Arsenate—The dry weather in the South has been beneficial to the farmer as far as keeping down boll weevil propagation. Demand for arsenate has been slow and below the usual Summer demand. Prices are of no interest to consumers. Some sellers are willing to move their stocks at any price. Makers intimate 9c lb., delivered, is possible, though generally named at 9½c lb.

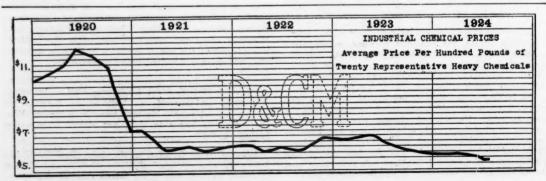
Copper Salts—With copper metal strong, copper sulfate prices are holding up. Domestic is named at 4½c @43½c lb. as to quantity. Imported is slightly higher at \$4.35@\$4.40 lb., spot. Shipment prices are reported higher around 4.90c lb. Copper carbonate is stronger and quoted at 16½c@17c lb.

Carbon Tetrachloride—Competition is keen and prices are unsettled. Quotations range from 6½c@7c lb. according to quantity, but it is intimated that shading is possible on firm business.

Potash, Caustic—Little activity and prices holding at 6½c@6¾c lb., spot.

Potassium Permanganate—While prices are generally quoted at 14c lb. for the usual orders, round lots are possible at 1334c lb. for domestic and imported material.

Potassium Prussiate-Yellow is tending stronger



though still quoted at 181/2@19c lb. according to quantity. Red named at 38c@40c lb.

Soda Ash—Consumption is along seasonal lines. Makers' prices are unchanged with contract business at \$1.25 for bulk at works, \$1.38 in bags, and \$1.63 in barrels. Spot business in less than carlots, \$2.04@\$2.19, delivered, in bags, and \$2.29@\$2.41 in barrels.

Soda, Caustic—Deliveries are reported normal for the Summer months. Export business quiet and routine. Makers continue to quote carlots on contract at \$3.10 for 76% solid and \$3.60 for ground and flake. Less than carlot business in metropolitan district, \$3.76@\$3.91 for solid, delivered; ground and flake, \$4.16@\$4.31.

Sodium Acetate—Stated to be stronger and the general quotations are 43/4c@5c lb.

Sodium Nitrite—Sales are reported at 83/4c@9c lb. according to make for spot goods. Works prices from 81/2c@9c lb.

Sodium Prussiate—Unsettled and still weak with imported named at 9½c lb. and possibly 9%c lb. Domestic at 9½c@9¾c lb.

Tin Salts—Following the higher prices of tin during July, makers have advanced tin bichloride to 14c lb., tin crystals to 35½c@36c lb. and tin tetrachloride, 28½c lb. Tin oxide holding at 52c@54c lb.

Department of Commerce has issued trade information bulletin No. 246 on World Survey of the Zinc Industry. Production of zinc in the United States increased from 413,330 short tons in 1913 to an estimated production of 623,000 short tons in 1923. In 1917, 713,-359 short tons were produced as a result of increased demand during the war, an increase from 31.7 to 62.5 per cent of the world's production of zinc. It is predicted that the United States will hold its position as the leading producer of zinc for many years to come.

Union Carbide Co., New York, found its protest against changed schedules on calcium carbide freight from Sault Ste. Marie, Mich., overruled by the Interstate Commerce Commission. The commission cancelled the present joint rate of 74c effective Aug. 12, and also made other rulings eliminating some of the present roads as participating carriers to Southern points. The new combination rates will be 58½c to Chattanooga rate point, and 90½c to Birmingham.

Samuel B. Stevenson, secretary of the George S. Coyne Chemical Co., Philadelphia, died July 26 in his seventieth year. He became associated with the late George S. Coyne in 1878 and has been with firm ever since. He was elected secretary of the present company, which was incorporated in 1920, at the time it was formed.

Air Reduction Co., New York, has started operations at the new Harrisburg, Pa., plant of the company. The other new plants at Seattle and Birmingham will begin work in the near future.

F. J. Muldowney is now attached to the sales staff of Jayne & Sidebottom, Inc., New York, in the sale of colors throughout New York City and the metropolitan district.

George W. Nieser Co., Cleveland, O., has been appointed agent for Northern Ohio, to handle the specialties of International Products Corp., Trenton, N. J., including thiosol, whiting and lime.

The French Chamber of Deputies has voted by 338 to 204 to reestablish the government monopoly on matches.

FERTILIZER MIXTURES ADVANCED \$1 TON

Baltimore, Aug. 6.—Acid phosphate and fertilizer mixtures have been advanced \$1 per ton, according to Warren E. Huntington, vice-president of Davison Chemical Co., George A. Whiting, president of Standard Guano Co., and others. This is the first advance in over three years. The price of basic 16 per cent acid phosphate is now \$7.50 per ton, and flat 16 per cent acid phosphate \$8.

The upswing, which is believed to be a reflection of the advances in prices of agricultural products, comes at an opportune time for the phosphate and fertilizer industries, which have been compelled to do business at an actual loss, in order to hold customers. An increase in the number of orders for acid phosphate and mixtures is reported.

MORE FERTILIZER USED ON COTTON

Approximately 2,090,000 tons of fertilizer were used on the cotton crop this year, the United States Department of Agriculture estimates. Increased use of fertilizer is reported from all the cotton growing states. Georgia used 483,000 tons this year, North Carolina 406,000 tons, South Carolina 358,000 tons, Alabama 334,000 tons, Mississippi 150,000 tons, and Texas 109,000 tons. It is estimated that fertilizer this year has been used on 39 per cent of the cotton acreage, as compared with 37 per cent last year, and 31½ per cent in 1922.

The average cost of fertilizer per cotton acre this year was as high as \$6.03 in Virginia, \$6.01 in North Carolina, and \$4.38 in South Carolina. The cost in Georgia was \$3.64, and less in other states, the lowest cost per acre being \$2.17 in Missouri.

LACK RELIABLE ANTIMONY INFORMATION

Reliable information from China on antimony regulus is lacking, according to a circular letter mailed to the trade by Sino Java Handelsvereeniging, New York, on Aug. 1. The letter said in part: "The market since our last report has reacted somewhat. While about two weeks ago a price of 63%c per pound c.i.f. New York in bond for shipment from China found no interest, some sales have been made since then for shipment from China at 634c c.i.f. New York per pound in bond.

"No reliable information can be obtained from the mining centers in China, due to temporary interruption of the telegraphic lines between Hankow and Changsha. U. S. consumers continue their cautious policy of buying 'from hand to mouth' and as there is apparently ample stock available in New York, this policy may ultimately react upon primary markets and bring prices down again."

Domestic producers of refined sodium nitrate have petitioned the Treasury to classify imported refined sodium nitrate as dutiable at 25 per cent ad valorem as chemical elements not specially provided for under Paragraph 5 of the Tariff Act. The free list of the act provides for "Sodium: nitrate, sulfate, crude or salt cake and niter cake," and the argument advanced is that refined sodium nitrate is not specially provided for in the free list.

Chipman Chemical Engineering Co., New York, suffered damage amounting to \$200,000 to its plant at Martinez, Calif., on July 22, from fire, which was started by the ignition of oil from a broken fuel line.

Production of arsenic in Canada during 1923 was 7.344,302 pounds, valued at \$883.771, compared with 6,152,000 pounds, valued at \$522,920, in 1922.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 416

IMPROVED DEMAND FOR DYESTUFFS
July Business Reported Better Than for June—Prices
Holding Steady—Phenol Supply Small but Demand
Quiet—Benzol and Toluol Firm on Small Production
—Pyridine Unsettled—Cresylic Acid Quiet—Demand
for Intermediates Improving

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No Advances
Declined
No Declines

Tres	ad of	Last	Last	Last	War	Pre.
	Today		Month	Year	Peak	War
Bonzene, puregal.	\$.25	\$.25	\$.241/2	\$.25	\$1.10	\$.25
Naphthalene, flake fb.	.05	.05	.053/2	.07	.16	.03
Phenol, Spottb.	.25	.25	.27	.32	1.50	.08
Toluenegal.	.26	.26	.26	.26		
Aniline Oiltb.	.16	.16	.16	.16	1.40	.10%
Alpha-naphthylamine lb.	.35	.35	.35	.35	1.28	**
Benzaldehydetb	.70	.70	.75	.75		
Betanaphthol	.26	,26	.26	.22	1.50	.08
Dimethylaniline fb.	.35	.35	.36	.41	1.30	
Paranitroaniline	.68	.68	.70	.73	1.58	.18
Average	0.330	0.331	0,340	0.359		

While July is a mid-Summer month and little is expected in the way of business, many factors in the dye and intermediate markets report an increased volume of business over that of the preceding month. This is the most encouraging statement that has been heard in the market for many months. With textile mills in New England showing a tendency to resume operations after being closed or operating at less than half-time, dye and intermediate manufacturers have begun to feel the quickened pulse of industry in more numerous inquiries and orders. The orders are only for modest quantities at present but, after the dull months of the past, the trade has taken on renewed interest and has become optimistic regarding the recovery of business in the near future. Nothing new in the way of price changes is reported. Quotations have apparently teached their lowest levels and any changes in the future will undoubtedly be advances. Phenol supplies are far from heavy and any demand will see a quick recovery in this Benzol and toluol are firm owing to small production.

Crudes

Benzene—The situation remains practically unchanged.. The regular industrial consumption is barely

being met at the present rate of production at the coke ovens and any increase in demand would find the market short of supplies. The decline in gasoline prices was not followed by pure benzol owing to the limited supplies, though motor benzol contracts based on gasoline prices have followed the cut. Pure benzol generally named at 25c in tanks and 30c in drums, works; 90 per cent benzol, 23c in tanks and 5c higher in drums.

Cresylic Acid—Interest has been lacking and sales are taking place in a routine way. Prices show no change from former quotations with dark material at 60c@62c gallon and pale acid, 65c@68c gallon in drums.

Naphthalene—Practically no business is passing in flakes or balls and to a certain extent the market is nominal; the prices are quoted around 5c@5½c lb. for flake and balls. Chipped is not moving at 4½clb.

Pyridine—Little business is reported at present but owing to the limited supplies available prices are holding at former levels. In some quarters higher quotations were named. Shipments named at \$3.75@\$3.95 and spot at \$4.00@\$4.25 per gallon.

Phenol—Quiet and holding recent levels of 25c@26c lb. in small drums on spot. Large drums are 1c lower at 24clb. Stocks are stated to be small and any increase in buying would result in a sharp advance in prices.

Solvent Naphtha—Buying is along routine lines with prices holding at 25c gallon in tanks at works and 30c in drums.

Toluene—Occasional sales are reported. Supplies are limited and prices firm at 26c gallon in tanks at works and 31c in drums.

. Xylenes—Routine business for occasional orders for a tank or a few drums; Prices steady at 26c gallon for commercial in tanks and 31c in drums; 5 degree, 35c@ 40c gallon and 10 degree, 30c@35c gallon.

Intermediates

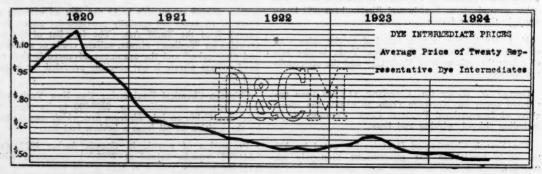
Acid Cleve's—Occasional sales at unchanged prices, \$1.00@\$1.101b. .

Acid Gamma-Holding at \$1.50lb. on slow demand.

Acid H—Consumers are showing more interest and buying has improved. Prices are holding at 72c@75clb.

Aniline Oil—Moving in better volume at unchanged prices, 16c@17clb. Aniline salt held at 22c@24clb.

Beta-naphthol-Prices have been steady during quiet period and are firm under improved inquiry and buying.



Dimethylaniline—Holding at 35c@36clb. on routine demand.

Para-nitraniline—Moving in a quiet way with sales reported from 68c@72clb. according to seller and quantity.

Ortho-toluidine—Firmer on improved buying. Generally named at 13c@15clb.

Para-toluidine—Stronger though unchanged at 80c@ 85clb.

MAKERS ADVANCE STARCHES 20c

Following recent strength and advances in corn, makers of corn starch and dextrines have advanced prices 20c per 100 lbs. Quotations now on the basis of \$3.97 for powdered corn starch in carlots, works; pearl starch, \$3.87. White corn dextrine, \$4.52, and yellow, \$4.57. British gum, \$4.82.

Owing to the slow development of the dye industry in Japan, the government is considering the adoption of protective measures. Japan requires about 10 million pounds of dyes a year, three-quarters of which she can produce herself. Owing to the protection given British, American, French, Swiss and Italian dyes they are extremely popular in Japan. This, however, according to the director of the Japanese bureau of industry, Mr. Shijo, is due to the mistaken idea of the Japanese regarding everything foreign as better than the home made article. Owing to this delusion, stocks of dyes are piled up in factories and home manufacturers must go to the wall if foreign goods are allowed to come in at the rate at which they are now being imported.

A sixth edition of the "Farbstofftabellen" of Schultz has appeared which has been brought up to date, according to "The Dyer," by ignoring the work of the British and American dyestuff firms. Consequently it is presumably issued for home consumption exclusively. The work is now in two volumes and the preface claims that Vol. 1 is an enlarged revision of the edition of 1914. As a matter of fact it seems to be largely printed from the original plates, and the index has been cut down. There is not a long list of German dyes put on the market since 1914, and the main addition seems to be a fuller account of the uses of coal tar dyes apart from their employment on textiles.

Imports of alizarin and alizarin dyes in May totaled 12,335 pounds, valued at \$21,137, according to the Department of Commerce. By far the largest quantity of these dyes came from Germany, while other amounts came from Switzerland, Italy and England. About 2,098 pounds of indigo were imported from England valued at \$462; 186,126 pounds of all other dyes valued at \$219,891; and 174,232 pounds of extracts, valued at \$27,867.

Japanese dyestuff import regulations, adopted recently and supposed to favor English, French, and American dyes as against German imports into Japan, still permit the importation of German reparation dyes on an equal footing with others. The reparation dyes are the exception, German colors not receiving the same favorable import conditions.

The July issue of "Dyestuffs", published by National Aniline & Chemical Co., contains articles on the dangers of mildew, treatment of wool yarns before dyeing, production and uses of kapok, chafing of silk fabrics, fancy shades on worsteds, Count Chardonnet, discoverer of artificial silk, and wall-paper.

Exports of coal tar colors dyes and stains for May totaled 751,152 pounds valued at \$323,917.

U. S. SELLS LESS IN DYES TO CANADA

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Aug. 6.—Imports of dyeing and tanning materials into Canada during April were valued as follows: From Britain, \$8,641; United States, \$184,-362; other countries, \$37,218; total, \$230,221; compared with imports in April 1923, from Britain, \$6,908; United States, \$220,725; other countries, \$134,187; total, \$361,-820.

Imports of aniline and coal tar dyes included in the above were as follows: From Britain, 14,457 lbs., value \$6,723; United States, 99,903 lbs., value \$62,903; Germany, 30,921 lbs., value \$20,787; Netherlands, 7,070 lbs., value \$8,257; Switzerland, 13,062 lbs., value \$7,906; other countries, 225 lbs., value \$106; total, 165,638 lbs., value \$106,682; compared with imports in April, 1923: From Britain, 12,566 lbs., value \$5,386; United States, 197,993 lbs., value \$90,234; Germany, 59,363 lbs., value \$46,628; Netherlands, 28,025 lbs., value \$25,735; Sweden, 30,574 lbs., value \$17,050; Switzerland, 24,416 lbs., value \$26,556; total, 352,937 lbs., value \$211,589.

U. S. BUYS HAITI'S LOGWOOD EXTRACT

Haiti's exports of logwood and logwood extract to the United States in 1922 and 1923, according to Consul Winthrop R. Scott, Cape Haitien, were as follows:

| 1922 | 1923 | 1924 | Quantity | Value | Quantity | Value | Logwood | 2,515 tons | 139,925 | 4,727 tons | 1,892 tons | 1,

Logwood extract is manufactured by a small establishment whose stock is entirely owned by Americans. The concern sells about 90 per cent of its product to the United States. Only small quantities are consumed locally as a base for printing ink, and the remainder of the firm's production is exported to Europe.

JUNE DYE EXPORTS VALUED AT \$400,000

(Special to Drug & CHEMICAL MARKETS)

Washington, D. C., Aug. 6.—Exports of coal tar colors, dyes and stains during June totaled 1,288,177 pounds, valued at \$410,314, according to the Department of Commerce. China took the largest quantity, with the second largest amount going to Japan.

Exports of logwood extract totaled 113,173 pounds, valued at \$15,737, of which Canada took the largest quantity, with the second largest amount going to Japan. Exports of other dye extracts for June totaled 54,670 pounds, valued at \$8,690, the largest quantity going to England.

British Government received reparation dyes from Germany, during the financial year 1923-24, valued at par of exchange at \$994,200. The gross amount received for the sale of dyestuffs, which included an accumulation from previous years, amounted to \$1,672,250, while the amount of commissions and other charges incurred in disposing of the dyes, including freight from Germany and storage, was \$194,640. The value of the total amount of dyes received from Germany since the shipments began in 1920 was \$5,501,900. The total amount received from sales was \$6,971,000. Commissions and charges incurred in disposing of the dyes amounted to \$1,062,670.

Production of dyes and by-products by plants in Germany has slightly decreased. Exports to China, Japan and India have increased. The production of raw tar has gradually been resumed after extensive strikes. The market for tar and tar products is weak. Prices remain depressed and have nearly reached the level of pre-war quotations.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 435

LINSEED OIL ADVANCED 2c GAL

Corn and Cottonseed Oil Continue to Rise—Coconut Oil Higher—Animal Oils Higher Due to Strength of Lard —Tallow Selling Above 8c—Menhaden Oil Higher Due to Poor Fishing—Chinawood Oil Lower—Turpentine and Rosins Stronger

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Coconut Oil, Ceylon, 1/4c lb.
Cochin, 1/4c lb.
Corn Oil, crude, 1c lb.
Cottonseed Oil, crude, 1/4c lb.
P. S. Y., 1/4c lb.
Refined, 1c lb.
Greases, 1/4c @ 1/4c lb.
Lard Oil, 1/4c lb.
Linseed Oil, 2c gal.

Advanced
Oleo Oil, ¼c fb.
Menhaden Oil, Crude, 5c gal.
refined, 4c gal.
b. Neatsfoot Oil, extra, ½c fb.
Sesame Oil, ¼c fb.
Tallow Oil, ½c fb.
Tallow, extra, ½c fb.
Turpentine, ½c gal.

Drelined Chinawood Oil, 1/2c tb.

Tre	nd of				***	
	Today		Month	Last Year	War Peak	Pre. War
Cod Oil, N. Fgal.	\$.59	\$.59	\$.64	\$.65	\$1.26	\$.361/2
Degras, American, bbltb.		.043/4	.043/4	.033/4	.23	.031/2
Lard, No. 1gal.	. 88	.86	.81	.79	2.90	.92
Menhaden, crd., bblsgal.	.45	.45	.40	.371/2	1.20	.33
Neatsfoot, 20 deg. c.tgal.	1.46	1.46	1.46	1.25	3.45	.95
Red Oil, distilledlb.	09%	.001/	.09	.091/2	.17	.07
Stearic Acid, T.P 1b.	.1334	.1334	.1354	.141/2		.12
Coconut, Ceylon, bbls tb.	.10	.10	.09	.091/2	.90	.14
Cottonseed, crude, tks lb.	115/	.11	.09	.10	.25	.08
Linseed, carlotsgal.	1.02	1.00	.96	1.00	1.85	.57
Olive, denaturedgal.	1.21	1.21	1,21	1.12	4.50	1.05
Peanut, refined		.16	.153/4	.151/2	.30	.08
Soya Bean, bblstb.	-12	.12	.12	.12	.191/2	.07
Average	0.483	0.482	0.477	0.453	1.30	0.362

The recent strength in fatty oils has been maintained during the week and further advances have been recorded in animal, vegetable and fish oils. The continued strength in grains, and in corn, cotton and hogs has naturally affected their by-products, oils, fats and greases. In sympathy with the strength in these products, vegetable and fish oils are strong items. While demand has shown improvement it has not been sufficient to warrant the recent advances. With better business sentiment, however, for future developments owing to the favorable political and foreign advices. Primary markets are firmer while the paucity of spot stocks accounts for advances on repeat orders.

Vegetable Oils

Castor Oil-Firm at recent advance to 16½c lb. for No. 3 and 17c for No. 1.

Chinawood Oil-Speculative elements less prominent

and prices have weakened and declined to 1434c@15c lb. spot and nearby arrival in barrels Coast, in tanks, Aug.-Sept., 1234c lb., and Oct., 1232c lb.

Coconut Oil—Continues strong with Ceylon higher at 91/40@91/60 lb. and Cochin 10c lb. in tanks.

Corn Oil—Strong, due to rise in corn. Higher at 11½c lb. in tanks at mills and 13½c lb. in barrels at mills. Refined up to 15c@15½c lb.

Cottonseed Oil—Somewhat unsettled while waiting for next report on cotton crop condition. Crude and refined higher, however. Crude, 11½c@11½c lb. at mills. P.S.Y., 13¾c@15c lb. for Aug. to 11.15@11.20 for Mar. Refined, 15c@16c lb.

Linseed Oil—Better business is reported in this market. Crushers have advanced prices 2c and are now quoting carlots at \$1.02, spot and Aug. delivery. Sept., \$1.00, Oct., 96c and Nov.-Dec., 94c. Less carlots 3c higher. London linseed oil, 42s. Antwerp, 387f. Flax-seed prices have advanced in Buenos Aires to \$2.08 bu. Winnipeg opened this week at Oct., \$2.25; Dec., \$2.18; May, \$2.26; Duluth, Sept., \$2.39½; Oct., \$2.33.

Olive Oil—Prices have been steady on fair inquiry and small buying. Foots selling at 9½c@95%c lb. Denatured oil, \$1.20 gallon.

Palm Oil—In limited supply and firm at 81/4c lb. for Lagos and 73/4c@8c lb. for Niger.

Peanut Oil-Scarce and high at 161/2c 1b.

Soya Bean Oil—Unsettled with quotations ranging from 10½c@10¾c lb. for crude in tanks, spot, and 10½c lb. at Coast.

Animal Oils

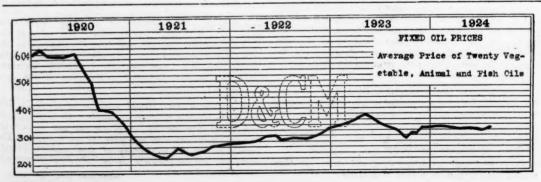
Lard Oil—Owing to the strength in lard, prices have advanced ½c lb and producers are now quoting prime, 16%c lb.; off prime, 14¾c lb.; extra, 13¾c lb.; and No. 1, 11¾c lb.

Neatsfoot Oil—Extra is quoted at higher prices of 121/4c lb.; pure is unchanged, 15c lb, and 20° at 191/2c lb.

Oleo Oil—All grades have advanced and producers are now quoting 15½c@15½c lb. for No. 1; No. 2, 13½c@ 13½c lb.; No. 3, 12½c lb.

Red Oil—Makers report an active demand. Prices are holding firm at 9½c@9½c lb. for distilled and saponified.

Stearic Acid—Moving well at recent prices. Single pressed, 11c@11¼c lb.; double pressed, 11¾c@12c lb.; triple pressed, 13c@13½c lb.



Tallow—Market growing stronger and sales are reported at 81/sc@81/4c lb. for city extra,

Tallow Oil—Stronger tone and higher prices named, 10c lb. in tanks and 1134c lb. in barrels.

Fish Oils

Cod Oil—While demand has been along quiet lines, prices have held steady at 59c@61c gallon in barrels and 56c@57c in tanks.

Ménhaden Oil—Fishing is reported very poor and many owners have stopped sending out ships. Scarcity of oil has prompted producers to advance prices. Crude oil is held at 45c@50c gal. at mills. Refined is also higher with light strained at 64c@65c gal. in barrels; yellow bleached, 67c@68c gal.; and extra bleached, 69c@70c gal.

Sperm Oil—Little activity with buying confined to actual requirements; 38° held at 89c in barrels, N. Y., and 45°, 84c gal.

Naval Stores

Turpentine—Buying has improved in Southern markets and prices have advanced about a cent during the week. Sentiment has also improved and factors look for improved business during the next few months. Spot prices are named at 84½c gallon for spirits. Savannah, firm, 79c.

Rosins—Export business has been good, while domestic has been sufficient to maintain prices or cause slight advances. New York prices: B, \$5.65; D, \$5.75; E to K, \$5.90; M, \$5.95; N. \$6.10; WG, \$7.10; WW, \$7.60.

TURPENTINE HIGHER IN SAVANNAH

(Special to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Aug. 4.—Turpentine closed firm at 79c, which represents an advance of about one cent over a week ago. Demand has been good and it is believed that present prices will be maintained in spite of the liberal receipts and a slight increase in stocks. The combined stocks at Savannah, Jacksonville, Brunswick and Pensacola are probably 8,000 bbls. more than a year ago. It is believed that good business is in sight and that orders are being withheld in case of a decline. Receipts of turpentine for the week, 4,901 bbls.; sales reported, 2,033 bbls.; shipments, 6,849 bbls.; stock, 11,-171 bbls. Rosins closed firm at small gains in prices in all grades. The advances have been gradual and, with the undertone improving, still higher prices are anticipated. Buying has been steady. Receipts, 14,404 bbls.; sales, 10,368 bbls.; shipments, 22,483 bbls.; stock, 102,819 bbls.

Jacksonville, Aug. 4.—Turpentine closed firm at 79c., offerings of 273 bbls. being carried over, having refused lower bids. Stock, 15,953 bbls. Rosins closed firm, with all offerings taken. Business has been active. Stocks. 118,881 bbls.

Exports of glycerin during May totaled 156,105 pounds, valued at \$25,193, of which Canada took the largest quantity, according to the Department of Commerce. Imports of crude glycerin totaled 872,620 pounds, valued at \$87,353. The largest quantity of crude glycerin came from France, with the second largest from Belgium.

Spencer Kellogg & Sons, Buffalo, N. Y., are distributing a bronze medal bearing a likeness of the original Spencer Kellogg, to commemorate the completion of a hundred years in the crushing of linseed oil.

The Depot Quartermaster, United States Marine Corps, Philadelphia, will take bids until Aug. 23, for 2,500 gals. disinfectant, and 50,000 cans concentrated lye, as per Schedule 68.

Oil Trade Notes

Paint and Varnish Division of E. I. du Pont de Nemours & Co. held a convention of trade salesmen of the eastern territory at Philadelphia, July 31 and Aug. 1.

The Purchasing Agent, Post Office Department, Washington, D. C., will take bids until Aug. 8 for 10 barrels of liquid soap, 50 gals. to the barrel, as per specifications on file.

Return postals have gone out from Secretary Sidebottom's office requesting information for the 1924-1925 Year Book of the Paint, Oil and Varnish Club of New York. The book will be published Sept. 1.

The regular August meeting of the "Save the Surface" Golfers of the Paint, Oil and Varnish Club of New York will be held at the Pomonok Country Club, Flushing, Long Island, on Tuesday, Aug. 12. Out-of-town golfers should telephone Hoskison Gates, Vanderbilt 2673.

A compilation of the number of new turpentine cups sold to producers by all makers of cups and gutters for the naval stores years 1923-24 and 1924-25, made by the Bureau of Chemistry, shows for 1923-24 a total of 24,-828,500 cups were sold, and for 1924-25 a total of 13,249,000 cups.

The crew of the Chemical Division, Tariff Commission, headed by Grinnell Jones, who are investigating the vegetable oil situation in England, have reported that they are gathering costs of vegetable oil in England without difficulty and that the investigations in that country are about completed. The same crew will go to Holland.

E. H. Goldstone, trading as the General Oil and Chemical Co., has filed a bill of complaint in the Circuit Court at Baltimore, asking that a trustee be appointed to take charge of the second floor of 101-103 Balderston St. He claims that he entered into a verbal agreement in November, 1922, whereby the company, lessee of the property, sublet to him the first floor and part of the second floor. Irreconcilable differences have arisen, and Judge Stump signed an order for cause to be shown by Aug. 21 why a trustee should not be named.

The program committee of the three major paint and varnish associations held its initial meeting at the offices of the National Paint, Oil and Varnish Association on 41st st., New York, Friday, Aug. 1. Considerable progress was made in the arrangement of the business programs for the three conventions to be held in Atlantic City during October. The committee comprises E. V. Peters, general chairman; George B. Heckel, Charles J. Roh, Henry L. Calman, L. P. Moore, David E. Breinig, Norris B. Gregg, A. L. Phillips, S. R. Matlack, George V. Horgan.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Aug. 19, for a quantity of blanc-fixe and zinc dust, and zinc oxide, for the Brooklyn, N. Y., and Mare Island, Cal., navy yards, as per Schedule 2495. Also for a quantity of bituminous enamel and primer, for the Mare Island yard, Schedule 2497. Until Aug. 12, for 300 gals. of turpentine for the Washington yard; 7,500 gals. turpentine for the Norfolk, Va., yard, and 550 gals. turpentine for the Puget Sound, Wash., yard, as per Schedule 2494. Until Aug. 19, for a quantity of gum, yacca and varnishes, for various western yards, Schedule 2496.

Chemicals for Consuming Industries

Heavy Chemicals, page 416, Tan and Dyestuff, page, 436, Fatty Oils, page 433

CHEMICALS IN BETTER CONSUMING DEMAND Sellers Refuse to Shade Prices—Corner Turned in Buying—Paper and Textile Chemical Buyers Take Lead— Forerunner of Fall Buying—Mid-year Inventory

Shows Stocks Light

With two of the consuming industries active in buying chemicals, the others are expected to soon follow suit. The bottom apparently has been reached, and holders of chemicals are not inclined to part with their goods, unless they obtain their price. After taking inventory in July, a number of consumers realized that they had better replenish their stocks. Leading chemical houses have sent out warnings, stating that even with demand at a low ebb, it is often advisable to make purchases. Discretion has to be used in choosing the items. With high manufacturing costs still prevailing, the maker in a number of instances does not see how prices can go lower. The end of the season for a number of items has found dealers coming in the market to replenish for the last minute call for chemicals. Price declines have been outnumbered by the advances during the past week, with the result that firmness generness generally prevails in the industrial chemical market.

Agricultural Chemicals

A general strengthening of a number of fertilizing materials has taken place, partly due to slightly improved interest and buying and partly to improved conditions and better prices for agricultural and animal products. The feature of the week was the advance of \$1.00 a ton in acid phosphate.

Fertilizers

Ammoniates Dried blood advanced to \$3.25 & 10 per unit, Balt.; fish scrap is strong owing to poor fishing;

dried scrap, \$3.75 at works; acid scrap, \$3.00@\$3.25, Balt. basis; tankage is higher at \$3.25 spot and \$3.75, Chicago.

Ammonium Sulfate—Curtailment of production is gradually strengthening prices. Buying is beginning to get under way. Bulk at works, \$2.40@\$2.45. Export business at \$2.60, freight allowed to ports.

Acid Phosphate—For the first time in three years prices have taken an upward turn. Producers announce an advance of \$1.00 ton and now quote \$8.00@\$8.50 ton, \$8.50 for full 16% material, Baltimore.

Potash Salts—Little change in the situation with demand quiet and former prices in effect.

Sodium Nitrate—Scarcity of supplies has strengthened prices slightly. Sellers are naming \$2.47½@\$2.50 for spot goods and August delivery.

Sulfur—Being maintained at \$14.00@\$15.00 ton at mines for crude and \$18.00@\$19.00 ton, Atlantic ports. Deliveries up to normal.

Insecticides and Fungicides

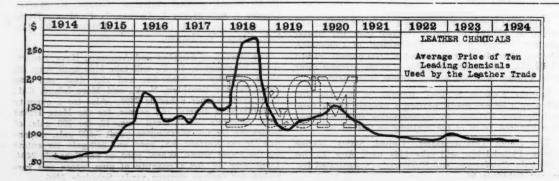
Arsenicals—Local demand for calcium arsenate is better in Southern sections. Supplies appear plentiful for this year's consumption. Prices are ranging from 10c@10½c lb. delivered or from 9c@9½c lb. at works. Arsenic is quiet and generally held at 7¾c@8½c lb., according to seller and quantity. Paris green is in fair demand at 25c@30c lb. Lead arsenate is moving at 19c@25c lb.; sodium arsenite at \$1.20@\$1.50 gal.

Copper Salts—The dry weather during the past month has reduced the consumption of sulfate and agricultural demand is flat. Prices are stronger, however, due to rise in metal; quoted from \$4.60@\$4.90 for domestic and $4\frac{1}{4}c@4\frac{1}{2}c$ lb. for imported. Copper carbonate is strengthening, though $16\frac{1}{2}c@17c$ lb. is being quoted.

Miscellaneous—Bordeaux mixture is moving at 11c@ 16c lb. as to quantity; carbon tetrachloride is weak and selling at 6½c@7c lb.; carbon bisulfide, 6c@6½c lb.; formaldehyde, holding at 9c@9½c lb.; corrosive sublimate, 98c lb., and nicotine sulfate, \$1.05@\$1.30 lb.

TANNERS TO TREAT WASTE CHEMICALLY

Pennsylvania tanners representing about three-fourths of seventy leather companies conducting tanneries in the state, organized last week, at Harrisburg, and contributed \$35,000 to conduct experiments with waste materials in order to avoid polluting the rivers. A com-



mittee was appointed to find reasonable and practical means. It consists of W. L. Stevenson, chief engineer of the State Health Department, chairman; D. W. K. Alsop, chief chemist of Elk Tanning Co., Ridgeway; A. W. Hoppenstedt, chemical adviser of Howard, West Hickory and Millville Tanneries; H. B. Norton, chief engineer of Elk Tanning Co.; T. F. Oberlander, chemical engineer of Elkland Leather Co., Elkland, Tioga County; T. J. Powers, engineer of J. Q. Mosser Co., Williamsport, and D. H. Ulrich, engineer of Kistler Leather Co., Lock Haven.

Leather Chemicals

Tre	the bas	the Ma	rket			
	Today		Last Month		War Peak	Pre- War
Acid, Acetic, 28%	\$3,12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90%	13	.13	.13	123/	1.501/2	.07
Acid, Lactic, 22% dark		.05	.05	.041/		.02
Potassium Bichromate					.65	.0634
Epsom Salt, tech		1.80	1.80	1.85	3.75	1.00
Sodium Prussiate, Imp					1.25	.18
Soda Ash. 58% wks		1.39	1.38	1145	4.10	.69
Sodium Bichromate						.043/4
Sodium Hyposulfite, pea		2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks	-031/	.03%	.031/2	.043/	10%	0234
Average	926	.926	.927	.999	3.267	.528

The call for tanning materials and chemicals continues slow owing to the seasonal and general dullness. Reports from leather consuming industries indicate a slight resumption of activity with orders sufficient to keep factories operating for the next two or three months. Oils have been strengthening recently. Chemicals are steady.

Acids—Only small routine business is reported. Prices are unchanged with acetic at \$3.12@\$3.37 for 28% and \$5.85@\$6.10 for 56%; glacial, \$11.01@\$11.76; formic is fair demand at 12½c@13c lb.; lactic is moving fairly well at 5c@5½c lb. for 22% dark and 5½c@6c lb. for light; 44%, 10½c@11c lb. for dark; oxalic quoted from 9½c@10c lb. as to quantity; mineral acid prices are unchanged.

Alkalis—Demand is quiet though seasonal with shipments up to previous years. Makers' prices are unchanged for contract business. Soda ash in carlots, works, \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels; less than carlot business in metropolitan district, \$2.04@ \$2.19 in bags, delivered; barrels 25c higher. Caustic soda in makers' hands, \$3.10 for solid on contract in carlots and \$3.60 for ground and flake; spot business, \$3.76@ \$5.91 for solid delivered and \$4.16@\$4.31 for ground and flake.

Chemicals—Sodium and potassium bichromates are quoted at 7½c and 9½c lb., respectively, though sales of soda have been reported at 7c lb. Sal ammoniac is firmer at 6½c lb. for imported; Epsom salt at \$1.40 for imported and \$1.75@\$2.00 for domestic technical; copperas at \$20 ton in barrels; sodium sulfide crystals at 2½c@2¾c lb.; solid at 3¾c@4c lb.; potassium titanium oxalate, 25c@30c lb.; hyposulfite quoted 2½c@2¾c lb.

Dye and Tan Woods—While a better undertone prevails in the tanning business, actual orders from consumers have not showed any increase. Sellers think, however, that it is only a matter of time when they will buy freely. Divi divi quoted at \$42@\$43 ton. Myrobalans, J-1, named at \$37@\$38 ton. Sumac, while quiet, is firm at \$158@\$160 ton.

THE CLEVELAND-CLIFFS IRON COMPANY

CLEVELAND, OHIO

PURE ACETONE METHYL ACETONE

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BOSTON DETROIT CHICAGO
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PITTSBURGH MINNEAPOLIS LOS ANGELES

PLANTS Marquette and Antrim, Mich-

Extracts-Little buying going on at the moment. Gambier, common, named at 121/2c@13c lb. spot, and 25 per cent liquid at 111/2c@14c lb. Quebracho is quiet at 4c@41/2c lb. spot for 65% solid material. Spruce, 25% liquid, steady at 1c@11/4c lb. works.

Oils-Fatty oils have continued their upward trend owing to advances in basic commodities rather than increased buying Linseed oil is 2c higher at \$1.05 in small lots; cod oil is steady, 59c@61c in bbls.; menhaden, crude and refined, is higher; crude, 45c@50c gal. at mills; light strained 64c@66c gal.; extra neatsfoot oil is higher at 121/4c lb.; American degras, 41/4@41/2c lb.; tallow up to 81/8c lb.

A decrease of fifty per cent in the amount of wattle bark exported to Germany, during 1923, is shown by statistics issued by the Union of South Africa. Germany is the principal purchaser. The exports of wattle bark to the United Kingdom, registered a satisfactory increase, and nearly all importing countries increased their purchases, but the increases were not sufficient to offset the decrease of 75,000,000 pounds in the German market. The total decrease for the year was approximately 30,000,000 pounds. During 1923, Portugal purchased 3,000,000 pounds of South African wattle bark, this being the first time that Portugal had entered the market.

The Australian supply of wattle bark for the tanning industry has increased by 52 per cent, according to the Victorian Forests Commission. The report also states that when new plantations are laid out there will be a further increase.

Paper Chemicals

	nd of Today	Last		Last Year	War Peak	Pre- War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2,40	\$5.50	\$1.50
Bleaching Powder			1.90	1.75	9.50	1.50
Casein	.101/2	.10%	.105/2	.25	.28	.20
China Clay, Dom	1C.00	10.00	10.00	15.00	25.00	8.00
Chlorine c/l Cyl	.051/2	.051/2	051/2	.051/4	.30	.08
Salt Cake	19.00	19.00	20.00	25.00	80.00	11.00
Sodium Silicate, 40°	.80	.80	.80	.95	1.75	2.00
Soda Ash	1.38	1.38	1.38	1.45	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	5.90	5.90	5.80	5.95	4.50	20.25
Average	5.915	5.915	6.005	7.190	13.30	5.50

Demand for paper chemicals continues quiet, especially in the East. Mills are reported to be resuming operations in the West. Prices are generally unchanged except for fluctuations in rosins.

Alkalis-Demand is quiet though seasonal with shipments up to previous years. Makers' prices are unchanged for contract business. Soda ash in carlots, works, \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels; less than carlot business in metropolitan district, \$2.04@ \$2.19 in bags, delivered; barrels 25c higher. Caustic soda in makers' hands, \$3.10 for solid on contract in carlots and \$3.60 for ground and flake; spot business, \$3.76@ \$5.91 for solid delivered and \$4.16@\$4.31 for ground and flake.

Bleaches-Summer business is naturally quiet. Prices are steady, however. Makers hold large drums at \$1.90 at works and small drums, \$2.15; less than carlots, 15c higher. Liquid chlorine is in seasonal demand with



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TANNIC ACID

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BRANCHES: hicago hiladelphia Boston Cleveland Gloversville, N. Y.

FACTORIES: Niagara Falls, N. Y. Jersey City, N. J. Murphysboro, III. Owego, N. Y.

prices steady. Tank car business, $4\frac{1}{2}$ c lb. works; carlots of cylinders, $5\frac{1}{2}$ c lb., less than carlots, $6\frac{1}{2}$ c lb.; less than ton lots, $7\frac{1}{2}$ c lb.

Chemicals—Quiet routine business at steady prices. Sulfate of alumina, \$2.25@\$2.40 for iron free; technical, \$1.30@\$1.35; blanc fixe, \$75@\$80 ton; sodium bisulfite, dry, 4c@41/4c lb., and liquid, \$1.25@\$1.75; sodium silicate, fair, 75c in tanks, and 80c@85c in drums for 40°; salt cake holding around \$18@\$20 ton.

Sizings—Casein appears plentiful and prices are none too firm, though generally named at 10½c@11c lb. Rosins have been moving better and slight advances have taken place in Southern points. New York prices quoted as follows: B, \$5.65; D, \$5.75; E to K, \$5.90; M, \$5.95: N, \$6.10; WG, \$7.10; WW, \$7.60.

Rubber Chemicals

Tre	nd of	the Ma	rket			
	Today	Last Week		Last Year	War Peak	Pre- War
Antimony Sulfide Crim Carbon Bisulfide		\$.39 .06	\$.39 .06	\$.35 .06	\$.45 .50	\$.35 .10
Carbon Black		.12 16.00	.12 16.00	.15 16.00	.30 20.00	.14 14.00
Hexamethylene Iron Oxide, Span	.821/2	.03	.031/2	.04	1.35	.05
Lithopone	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom		14.00 .08	14.00 .083/4	18.00 .07	30.00	11.00 .09
Average	3.459	3.462	3.464	3.820	5.931	

A further reduction in carbon black has taken place in Louisiana in spite of the steady demand for spot goods.

Cars are now quoted at 634clb. works. Makers report some good sales of diphenylguanidine and hexamethylene. Antimony sulfurette, whiting and barytes lead the color and compounding list in activity. In fact, the whole market appears to have steadied somewhat owing to the approach of the time when buyers send out feelers as to market prices. Stocks of imported material in sellers' hands do not appear heavy, and as long as replacements are comparatively high, little weakness from this direction is expected.

Acid—Acetic remains unchanged at \$3.12@\$3.37cwt. for 28 per cent; \$5.85@\$6.10 for 56 per cent; \$7.20@\$7.45 for 70 per cent; \$8.19@\$8.44 for 80 per cent, commercial; \$9.98@\$10.23 for 80 per cent, pure; and \$11.01@\$11.75 for glacial material.

Accelerators—The general line has been quiet with the exception of hexamethylene and diphenylguanidine, which have been in active demand. The former is unchanged at 82½c@85clb. spot, and the latter at \$1.10@\$1.15lb. as to quantity. Aniline oil is quiet with holders naming 16c@17clb. works, and 17c@18clb. spot. Litharge is in small demand at \$10.50@\$11.00cwt. spot. Quinoidine is steady at 55c@60clb. spot. Carbanilide, while quiet, the price of 27c@29clb. spot remains unchanged.

Colors and Compounding Materials—Antimony sulfurette is in active demand with makers naming 19c@ 24clb. spot for golden, and 39c@50clb. for crimson. Blanc fixe is steady at 4c@4½clb. spot as to quantity. Carbon black has eased off further at the works, and is now quoted at 6¾clb. in c/l; 10c@11clb. spot in lc/l; 11c@12clb. for air floated; and 10c@11clb. for compressed. Magnesium carbonate is steady at 8¼c@8¾c



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(Wood Alcohol)

Acetic Acid

(All Grades)

Acetate of Lime

Seaboard Chemical Co. 90 WEST STREET NEW YORK

Tel. Rector 4090-4091 Cables Seaboard, N. Y.



lb. spot, and calcined at 5½c@6clb. Talc holders name \$16@\$18ton works or \$28@\$30ton ex-warehouse for domestic; French, \$40@\$45ton; and Italian, \$60@\$80ton. White barytes is in steady demand at \$23@\$25ton works, and \$28@\$34ton for imported material. Whiting is quoted firm at \$13@\$15ton for domestic, \$18@\$19ton for imported material. Zinc oxide is quiet at 8½c@9c lb. spot.

Mineral Rubber-In small demand at \$35@\$75ton for 300/315 quality.

Solvents—C.P. acetone is firm at 15c@17clb. works in c/1 as to seller, and methyl acetone 75c@80cgal. Benzene is quiet with 90 per cent material named at 23c @25cgal in tanks, works, and 28c@30cgal in drums. Pure is firm at 25cgal in tanks, and 30cgal in drums.

A bill regulating the carbon black industry in Louisiana was submitted to the senate committee on conservation by State Senator T. L. Hood of Monroe, La. He declared that it was not the best bill he could present, but was the most that he could hope for at present; that it championed the little fellow and meant that he would not be squeezed out. The bill passed the senate and became law without the Governor's signature. The governor promised to give the matter special attention and be prepared to express a more definite opinion at the next meeting of the legislature.

Louisiana Carbon Co., Monroe, La., has been ordered to close four of the five gas wells which the company operates, owing to alleged over-pulling, according to Acting Commissioner Payne, of the Department of Conservation.

Textile Chemicals

Tre	nd of t	he Ma	rket			
	Today	Last Week			War Peak	Pre. War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.171/2	\$17.00	\$1 50
Acid Oxalic		.093/4	.10	.13	.70	.071/2
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate		4.50	4.65	5.60	20.00	4.50
tipsom Salt, U.S.P	2.16	2.10	2.10	2.25	4.25	1.50
Glauber's Salt		1.20	1.30	1.25	2.50	.80
Potash, Caustic, Imp	.063/4	.063/4	.063/4	.073/4	.87	.12
Soda Ash. 58% wks	1.38	1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks	3.10	3.10	3.10	3.161/2	9.50	1.80
Sodium Bichromate	.071/2	.071/2	.C71/2	.071/2	.45	0434
Average	1.763	1.763	1.778	1.790	4.800	1.42

Prices have taken on a firmer tone, though actual business has shown no great improvement. Resumption of activity in some of the textile centers, however, gives promise of recovery in chemicals.

Acids—Only small routine business is reported. Prices are unchanged with acetic at \$3.12@\$3.37 for 28% and \$5.85@\$6.10 for 56%; glacial, \$11.01@\$11.76; formic is fair demand at 12½c@13c lb.; lactic is moving fairly well at 5c@5½c lb. for 22% dark and 5½c@6c lb. for light; 44%, 10½c@11c lb. for dark; oxalic quoted from 9½c@10c lb. as to quantity; mineral acid prices are unchanged.

Alkalis—Demand is quiet though seasonal with shipments up to previous years. Makers' prices are unchanged for contract business. Soda ash in carlots, works, \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels; less than carlot business in metropolitan district, \$2.04@ \$2.19 in bags, delivered; barrels 25c higher. Caustic soda



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in makers' hands, \$3.10 for solid on contract in carlots and \$3.60 for ground and flake; spot business, \$3.76@ \$3.91 for solid delivered and \$4.16@\$4.31 for ground and flake.

Bleaches—Summer business is naturally quiet. Prices are steady, however. Makers hold large drums at \$1.90 at works and small drums \$2.15; less than carlots, 15c higher. Liquid chlorine is in seasonal demand with prices steady. Tank car business, 4½c lb., works; carlots of cylinders, 5½c lb., less than carlots, 6½c lb.; less than ton lots, 7½c lb.

Chemicals—Bichromates are holding at recent levels though shading is reported in soda, which is generally named at 7½c lb.; potash, 9½c@9½c lb.; sal ammoniac is firmer at 6½c lb.; carbon tetrachloride, unsettled, 6½c@7c lb.; copper sulfate is higher and stronger at \$4.75 per 100 lbs.; imported Epsom salt at \$1.40 for technical and \$1.75 domestic; Glauber's salt at \$1.15@ \$1.50; caustic potash is unsettled at 6½c@6¾c lb.; potassium permanganate is selling at 14c@14¼c lb.; potassium prussiate, yellow, 18¾c lb., and red, 38c@40c lb.; sodium prussiate, 9½c@10c lb.; sodium acetate, uiet, 4½c@5c lb.; sodium nitrite, 8¾c@9c lb.; sodium perborate, 22c lb.; tin crystals are higher, 35c lb., and bichloride, 14c lb.

Starches and Dextrines—Following further strength and rises in cash corn, producers of corn starch and dextrine have advanced prices 20c per hundred. Quotations: British gum, \$4.82@\$4.92. White corn dextrine, \$4.52@\$4.62; yellow, \$4.57@\$4.67; potato, 7c@734c lb. Powdered corn starch \$3.97@\$4.07; pearl starch, \$3.87@\$3.97.

Better business is reported by the chemical and dyestuff trade of Boston. The improvement is small, but the situation is much more encouraging and some really worth while business is anticipated sixty days hence. Prices show a good deal of strength, and are well maintained, although actual advances are few. Sulfuric acid for battery use has been advanced a dollar per hundred pounds to \$3. Prices on dyestuffs show no change.

The Berlin branch of the Russian Textile Syndicate is about to conclude important dye contracts with American, British, Italian, and French firms for the importation of dyestuffs into Russia, according to reports.

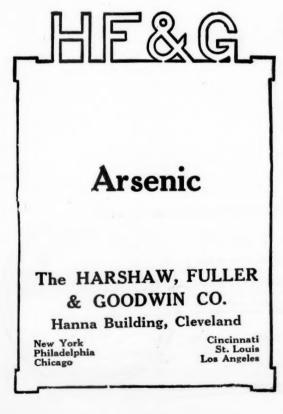
Nashua Mfg. Co., of Nashua, N. H., will begin fulltime schedules in the Nashua and Jackson mills on Sept. 2. The mills, which make cotton goods, have been running only four days a week.

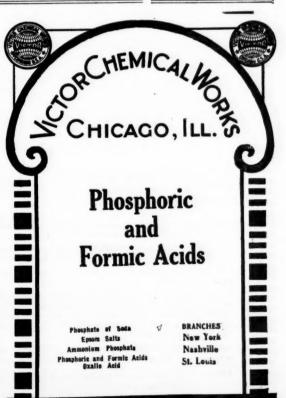
Hadley Mills, South Hadley, Mass., resumed operations last week and are running full time and up to 9 o'clock at night. The company manufactures men's wear and dress goods.

An addition is being built to the dye house of Warsaw Cleaning & Dyeing Co., East Milton, Mass. It is to be a one-story brick and will cost \$20,000.

Viscoloid Co., Leominster, Mass., has started work on a new factory to be of brick, 14 by 113 feet. A new office building will also be erected.

Car loadings for last week were 930,284, the largest for any week this year since March 1, when the loadings of coal were exceptionally heavy.





*Loss.

MATHIESON ALKALI EARNS \$1.84 A SHARE

Mathieson Alkali Works reports for the second quarter of 1924 net earnings of \$266,071, after depreciation but before federal taxes. This is equal, after allowing for preferred dividends, to \$1.84 a share on the \$5,885,700 common stock of \$50 par value outstanding, and compares with net income of \$93,258, or 37c a share, for the first 1924 quarter, and net income of \$395,238, or \$2.98 a share, on the common stock in the June, 1923, quarter. The gross earnings for the quarter totaled \$404,556, against \$231,472 for the preceding quarter and \$528,439 in the corresponding quarter last year.

The earnings for the six months were \$359,330, or \$2.93 a share, on the common stock in the June, 1923, net earnings of \$781,541, or \$5.78 a share on the common in the same months last year.

Income account for quarter ended June 30 compares as follows:

	1924	1923	C	hanges
Gross	\$404,566	\$528,439	Dec.	\$123,873
Depreciation	138,495	133,205	Inc.	5,294

Net before fed tax \$266,071 \$395,238 Dec. \$129,167

Income account for six months ended June 30, 1924, compares as follows:

1924.	1923.	1922.	1921.
Gross\$636,039	\$1,049,667	\$656,240	*\$170,095
Depreciation 276,708	268,125	270,674	256,357
	-		
Net income\$359,331	\$781,542	\$385,566	*\$426,452

E. M. Allen, president, said: "Although production was below normal, we were able to operate continuously during the second quarter of the year. Because of continued depression in general business the outlook for the immediate future is not particularly encouraging.

"As a number of articles have lately appeared in the public press suggesting the possibility that the company may be merged with another or other corporations and predicting greatly increased earnings from various sources, we deem it proper to warn our stockholders against the acceptance of statements regarding the company's affairs unless made by its executive officers."

Miner-Edgar Co., 110 William st., New York, has been appointed sales agent for Greater New York and Northern New Jersey by Ammonia Corp., New York. Stocks will be carried at Brooklyn and Newark.

A. J. Kerin of the Marietta Refining Co., Marietta, O., producers of malachite green and auramine, has been in New York this week attending to sales arrangements for the company.

MAN SHIM WANTED HIS SHIM SHIM SHIP

NEVER HEARD OF CALCIUM ARSENATE

There are thousands of cotton raisers in Texas who have never heard of calcium arsenate, according to Joe Barlow, chemical distributor, with warehouses throughout Texas and Louisiana. His letter of July 29 to Drug & Chemical Markets shows the conditions under which arsenate distributors throughout the cotton districts must work. "Just want to rise and remark that we sure are getting a kick out of the solutions for the insecticide manufacturer's ills. We did not have time to read last week's issue, because we were all so busy selling calcium arsenate because the season is now on.

"We have been distributing insecticides in Texas ever since insecticides started to be used in a big way. As a distributor, in order to sell calcium arsenate, we have had to advertise to the farmers in the newspapers to the amount of nearly \$1,000 per month in order to teach the farmers what calcium arsenate is, and tell them why and how it should be used. The manufacturers somehow seem to think that every one is familiar with calcium arsenate, and that it would be an easy matter to tell how much will be used. Texas probably raised more cotton last year than all of the cotton states combined, but I will venture to say one-half of our farmers have never seen calcium arsenate and that there are thousands of cotton raisers in Texas who have never even heard of it. Does not this explain something to you?"

American Chicle Co. reports for the six months ended June 30, 1924, net profit of \$451,684 after depreciation, interest and charges, equivalent after allowing for preferred dividends to \$2.33 a share on the 155,025 shares of no par value common stock outstanding, compared with net profits of \$254,990 or \$1.06 a share on the same amount of common stock outstanding in the corresponding period a year ago. Current assets as of June 30, 1924, amounted to \$3,256,881 and current liabilities \$1,716.124.

Urban Motion Picture Industries, Inc., a \$10,000,000 company with studios at Irvington-on-the-Hudson and offices at 350 Madison ave., New York, was petitioned into bankruptcy last week. Federal Judge Knox appointed Frank E. Stripe and Harry P. Carver receivers in equity, under bond of \$25,000. Receivership proceedings were brought by Isaac M. Bortman, a salesman, who claimed \$3,304 in commission. The involuntary bankruptcy proceedings were filed by Guy L. Tinkman, Jacques Bernstein and Percy Sneckner.

The German Potash Syndicate has obtained a loan of 1,000,000 gold marks from the Gold Discount Bank.

CABLE BRAND CHINOLINE YELLOW G AND GX

The growing popularity is one of the best proofs of its value in the dyeing industry.

Identical in shade to the best pre-war German products and superior in strength. exhaustion and solubility. It produces one of the purest greenest yellows known and the most improved acid yellow for printing color discharges on silk and especially interesting to the lake manufacturer.

By specifying CABLE BRAND CHINOLINE YELLOW, you are assured of high quality and economy in its use

Liberal samples and our quotations furnished upon request.



DU PONT EARNED 11.70 PER CENT

Current Assets Amount to \$56,830,421—Net Sales 97 Per Cent of Last Year's Total

E. I. du Pont de Nemours & Co. report for the six months ending June 30 net sales amounting to 97% of the sales for the corresponding period of 1923. After making provision for bond interest and debenture stock dividends, there remain earnings at the annual rate of 11.70% on the common stock. Current dividends are at the annual rate of 8%. The balance sheet reflects the redemption of \$10,000,000 of the bonds of the parent company on May 1, thereby reducing the amount outstanding in the hands of the public to \$18,164,000.

The current assets of the company on Dec. 31 amounted to 1.82 times the sum of the current liabilities plus the total funded debt; whereas, on June 30, due primarily to the reduction in the bonds, this ratio was increased to 2.31. As of June 30, 1924, the current assets of the company amounted to about 9½ times the current liabilities for the same period. The net current

assets were \$56,830,421.23.

The income account shows that the amount required for bond service for the half year amounted to \$998,-574.26; compared to a corresponding figure for the same period last year of \$1,407,106.89. This difference is due in part to lower interest requirements, due to the reduction of the funded debt in the hands of the public, and in part to the exclusion from the figure for the later period of bond premium and discount which were included in the figure for the earlier period. An amount of \$3,000,000 was appropriated from surplus during the period to provide for premium and discount on the bonds. After providing for discount on the honds outstanding as of the beginning of the period, and premium on the \$10,000,000 of bonds retired on May 1, at a rate of 7% over par, there remains, as of June 30, a reserve of \$1,185,372.40 to cover the possible expense of redemption before maturity of part or all of the remaining bonds outstanding.

NEW JERSEY ZINC PROFITS \$3,940,949

New Jersey Zinc Co. reports for the second quarter of 1924 a net income of \$2,140,000, equivalent to \$4.36 a share earned on the \$49,081,600 capital stock, compared with net income of \$1,800,849, or \$3.74 a share, in the first quarter of this year. The report for the first six months shows a net income of \$3,940,949, or \$8.03 a share on the common stock. The income account for the first six months follows:

	Six mos. er	ided June 30
	1924	1923
Income		\$4,022,465 80,000
Net income		\$3,942,465 2,923,970
Surplus	1,979,685	\$1,018,495

International Nickel Co. reports for quarter ended June 30 net profit of \$359,699 after charges and depreciation, and all taxes, equivalent after preferred dividends to 14 cents a share (par \$25) earned on the \$41,834,600 common stock. This compares with \$204,802, or 4 cents a share in corresponding quarter of 1923.

Ammonia Corp., 280 Madison ave., New York, has appointed John D. Lewis, Providence, R. I., sales agent for New England. Stocks will be carried at Providence, Boston and Mansfield, Mass,

Financial Notes

Casein Co. of America has declared a quarterly dividend of 1%, payable Aug. 17 to holders of record Aug. 7.

Stock of Parke, Davis & Co., 1,000,000 shares of par value \$25, has been admitted to trading on the New York Curb Exchange.

Dow Chemical Co. has declared a quarterly dividend of \$1 a share on the common and of 134% on the preferred, both payable Aug. 15 to record Aug. 5.

Directors of V. Vivaudou, Inc., have passed the quarterly dividend of 134 per cent due to be declared on the company's preferred stock at this time. Action on the common dividend was deferred at a previous meeting.

Dun's and Bradstreet's reviews says that July closed with more activity in steel, copper, textiles and hides and leather, among other commodities, and the month brought a distinct change for the better in sentiment.

Owens Bottle Co. and subsidiaries for the six months ended June 30, 1924, reports manufacturing profits and royalties of \$3,139,225 and total income of \$3,501,334. After all deductions, including reserves for federal taxes, the company reported net profit of \$2,033,659.

American Zinc, Lead & Smelting Co. reports for quarter ended June 30, 1924, operating profits before depreciation and depletion of \$21,025, compared with \$67,834 in preceding quarter. This brings operating net for the first half of 1924 up to \$88,859, compared with \$280,840 in same period last year.

Eastman Kodak is a sound investment issue, and its dividend rate is amply covered by earnings, says the "Wall Street Journal." It is not a very active stock and is purchased more on the basis of steady returns than on possible market appreciation. Neither a substantial increase or a substantial decline is to be looked for.

Bonds to the amount of \$45,414,900 have been called for payment in August in advance of maturity, of which total \$41,087,700 represents issues called in their entirety, and \$4,327,200 issues called in part to satisfy sinking fund requirements. Among the issues are Davison Chemical Co.'s 8s, due in 1936, to the amount of \$1,800,000, which will be redeemed at 106.

Allied Chemical & Dye common is a good business man's investment; the \$4 dividend rate seems reasonably secure. The company's business experienced a big improvement last year and at the end of 1923 the balance sheet position was excellent, with ratio of current assets to current liabilities of over 11 to 1. We have no way of telling whether or not at current prices the stock has exhausted its marketwise possibilities, says the "Wall Street Journal."

Mathieson Alkali common is a speculative issue with attractive possibilities because of the company's process for the treatment of gasoline, says the "Wall Street Journal." Earnings last year were good and so far this year, although smaller than for the same period of 1923, are satisfactory. Back dividends on the preferred have been taken care of, and accumulations now total but 134%. At this rate, with a continuance of good earnings, the common should eventually be in line-for some dividend action.

OUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Aug. 2

Bid	Asked	Bid	Asked
*Air Reduction 79	791/2	Hercules Powd., pf.102	1031/
*Allied Chem. & D. 7634	771/2	Heyden Chem 2	21/2
*Allied Ch. & D., pf.116	1161/2	Hooker Electro 10	12
*Am. Ag. Ch 153/4	1576	Hooker Electro, pf 35	45
*Am. Ag. Ch., pf 391/2	41	*Household Products 341/4	351/4
*Am. Chicle 221/2	223/4	*Int. Agricult 1	11/2
*Am. Chicle, pf	75	*Int. Agricult. New. 51/2	
Am. Cyan100	102	*Int. Agricult., pf 81/4	9
Am. Cyan., pf 741/2	761/2	*Int. Nickel 1834	187/8
*Am. Druggist S 47/8	5	*Int. Nickel, pf 86	87
Am. Glue 34	35	*Int. Salt 70	
Am. Glue, pf101	104	*Mathieson Alk 39	401/2
*Am. Linseed 201/2	21	*Mathieson Alk., pf. 901/2	,.
*Am. Linseed pf 411/2	43	MacAnd. & Forbes140	146
*Am. Metal 45	45%	MacAndrews &	
*Am. Zinc 81/2	9	Forbes, pf 98	101
*Am. Zinc, pf 28	29	Merck & Co., pf 64	67
Archer-Dan-Mid 17	21	Merrimac 81	85
Archer-Dan-Mid., pf. 821/2	84	Mulford Co 29	32
*Atlas Powder 48	52	*National Lead1471/2	149
*Alas Powd., pf 86	90	*National Lead, pf1151/4	1163/8
By-Prod. Co 35	40	N. J. Zinc142	145
By-Prod. Co., pf100	103	Niag A., pf 80	85
Canad. Ind. Al 28	30	Parke, Davis & Co 77	80
Canad. Salt 95	100	Penn Salt 82	84
Casein Co 60	67	*People's Gas, Chi102	1027/2
Celluloid Co 55	60	Procter & Gamble114	116
Celluloid Co., pf100	105	Procter & Gam., pf 107	109
Charcoal Iron 35	50	Royal Bak. Po136	
Ches. Mfg 50	501/2	Royal Bak. Po., pf100	101
Ches. Mfg., pf112	114	Shawinigan 4	6
Ches. Mfg., pf112 Clark Co., Fred 2	31/2	Shawinigan H130	132
Cleve. Cliffs Iron. 63	65	Sherwin-Williams 28	31
*Com'l Solv. A 561/2	60	*Sterling Prod 61	62
*Do B 581/2	55	Swan & Finch 50	52
*Corn Products 33	331/4	*Tenn. C. & Chem 81/3	91/8
*Corn Products, pf 122	1.24	*Tex. Gulf, Sul 733/8	731/2
*Davison Chem 59	59%	Union Carbide 581/2	59
Dow Chem. non par. 52	54	*Un. Drug 82	83
Dow Ch., pf 94	98	*Un. Drug, 1st pf 471/2	481/2
Dow Drug Co150	175	*Un. Drewood	391/2
Dow Drug Co., pf104 *Du Pont de Nem12934	106	*Un. Dyerood, pf	88
*Du Pont de Nem 1293/4	130	Un. Gas 1mp 751/4	76
*Du P't de Nem. Db. 89%	893/4	Un. Gas Imp., pf 57	58
*Eastman Kodak1081/2	10934	U. S. Gypsum871/2	883/4
"Eastman Kodak, pf.11254	200/4	*U. S. Indus. Al 721/2	73
*Freeport Tex 93/8	954		
*Gen'l Asphalt 431/4	435/2	*U. S. Indus. Al., pf.103	106
*Gold Duat 40	41	*Va. Car. Ch 2	21/4
Grasselli120	125	*Va. Car. Ch., pf 51/2	53/4
Grasselli, pf102	104	V. Vivaudou 6	7
Hercules Powder 90	95	Will & Baumer 12	15

*Listed on New York Stock Exchange Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.45
France (franc)	193	.054
Italy (lira)	193	.043
Germany (mark) per hundred		
Czechoslovakia (crown) per hundred		2.97
Poland (zloty)		.193
Japan (yen)		.409
Holland (florin)		.382
Spain (peseta)		.133
Belgium (franc)		.046
Switzerland (franc)		.186
Norway (krone)		.135
Sweden (krone)		.266
Denmark (krone)		.160
Argentina (peso)		.328
Braril (milreis)	324	.098
India (rupee)		.320
China (Silver dollar-Hongkong)		.530
(Tael-Shanghai, silver)	1.086	.726
(Tael-Peking, silver)		.750

United Drug Co. reports for the half year ended June 30 net sales of \$33,517,879, against \$32,132,804 in the same period last year, and gross profits from sales of \$10,944,655 against \$10,308,110. After operating expenses, reserves for taxes, depreciation and other adjustments, the company reports net profit of \$2,701,168 for the first half of the current year, against net profit of \$2,-512,780 in the first half of 1923. After providing for dividends on the preferred stock the company reported a balance equal to \$4.12 a share earned on the \$35,780,-600 common stock of \$100 a share par value in the first six months of this year, against \$3.62 a share earned on the common stock in the first six months of 1923.

New Incorporations

Finch Chemical Co., Utica, N. Y., \$60,000. W. T. and D. T. and R. F. Finch. Attorneys, Martin and Randell, Utica.

Hesperis Chemical Co., New York, perfumes, \$30,000. J. Benti-boglio, P. Quinto. Attorney, C. J. Gindici, 277 Broadway.

boglio, P. Quinto. Attorney, C. J. Gindici, 277 Broadway.
Southern Arsenic and Mineral Products Co., Dover, Del., \$5,300,000. Corp. Trust Co. of Delaware.
Ender Laboratories, Inc., Dover, Del., toilet articles, \$100,000.
Arley B Magee, agent, Dover, Del.
Proofing Laboratories, New York, chemicals, 90 shares common stock no par value. G. H. Kerner, E. C. Dreyer, J. E. Malino.
Attorneys, Gilbert and Gilbert, 43 Exchange Place.
Superior Fluorspar Corp., Wilmington, Del., mining, \$300,000.
Pharmacal Products Co., Inc., Easton, Talbot County, Md., \$200,000 divided into \$25 shares, to conduct the business of chemists and druggists: Charles H. Bradley, Robert L. Kemp, William H. Kemp. chemists and drug William H. Kemp.

Mapolrow Co., Poughkeepsie, N. Y., flavoring extracts and kin-red products, \$100,000. N. Deyo, S. Pollack, W. J. Ward. At-orney, E. C. O'Connell, Poughkeepsie. torney.

Folo Laboratories, Inc., 137-43 W. 62nd St., Chicago, chemicals nd chemical byproducts, \$25,000. W. F. Straub, J. B. Creevy, and chemical bypre Prentiss McKenzie.

Oak City Guano Co., Bartow, Fla., fertilizer products, \$30,000. James F. MacEnroe, W. G. Wright, Bartow.

Sanitary Paper Products Corp., Pittsburgh, Pa., paper goods, \$100,000. John Michael, 114 Greenfield St., Pittsburgh, representa-

Loxa Distributing Co., Inc., Dover, Del., to manufacture chemical compounds, \$100,000. American Guaranty and Trust Co.

Menthol Liniment Co., Dover., Del., \$20,000. Louis F. Koniakosky, James L. Koniakosky, Ellinger, Tex; Joseph G. Koniakosky, Brownsville, Tex. American Guaranty and Trust Co.

Canadian Incorporations
Delico, Canada, Ltd., Toronto, Ont., \$5,000, to manufacture enamels and paints. Robert E. Anglin, Charles D. Magee, E. Jamison.

Associated Chemical Co. of Canada, Ltd., Toronto, Ont., \$50,000, to manufacture chemicals and dyestuff. Limnaeus J. Rogers, Joseph M. McGuire, James P. Cullen.

Grasselli Dyestuff Corp., Ltd., Toronto, Ont., \$10,000, to manufacture dyes, dyestuffs. George E. Fisher, Edward W. Furst, William T. Cashman.

Quebec Rubber Co., Ltd., Quebec, \$1,500,000, to manufacture ubber and rubber goods. John Kerry, Aime S. Bruneau, Jonathan

Dominion Surgical Co., Ltd., Winnipeg, Man., \$100,000, to manufacture surgical instruments and drugs. Joseph S. Anderson, Frederick Foulds, Homer S. Robinson. Stanfields, Ltd., Truro, N. S., \$75,000, to manufacture textiles. Frank Stanfield, Alexander J. Campbell, Louis McK. Christie.

PREDICTS INDUSTRIAL ALCOHOL RISE

Reports from the floor of the Exchange state that Industrial Alcohol is being groomed for a sharp up-ward movement, says the "Wall Street News," and contend that there has been accumulation during the past ten days for the account of the same interests who caused the advance earlier in the year and which put the stock at a high of about 10 points above the prevailing level. Alcohol is one of the few of the leading issues that has not yet approached its high for the year and will probably be brought into line before any sharp reaction is permitted. Meanwhile it has been insisted for some time that dividends on the stock are to be resumed at the meeting of the board in September, and before long more will be heard regarding this probability as a market factor.

Business failures in the United States in July aggregated 1,615, according to a compilation made by Dun's Review. This compares with 1,607 in June and 1,231 in July last year. While the number of failures in July recorded only a slight gain compared with the previous month, the aggregate of liabilities increased 8 per cent to \$36,813,238.

Alcohol Warehouse Corp. has filed judgment in New York county against Benjamin and Samuel Sennett for \$534.50. Palmolive Co. has filed judgment for \$120.77 against Abraham Finkelstein, Jacob Chusid and Morris Grieff, trading as Crescent Drug Co.



New German Pharmaceutical Products

Names and Description of Medicinals Brought Out in Germany Since 1922 Show Disease Trend

(Part I)

During the past two years, numerous new pharmaceutical preparations have been brought out in Germany in spite of generally unfavorable economic conditions. Activity along pharmaceutical lines has been greater, due undoubtedly to post-war disease conditions. The types of medicinals which have been developed and placed on the market, reveal prevalence in certain groups of diseases which the medical profession is fighting in Germany. For example, remedies for nervousness, tuberculosis, venereal diseases, have been quite common. The following list, which has been prepared by the Chemical Division, Department of Commerce, gives in part the names and descriptions of new products. The second section of the list will be published in Drug & Chemical Markets next week.—The Editors.

Acykal—Silver cyanogen compound against gonorrhea with 54 per cent silver.

Agarical—A specialty against night-sweating, in tablet form, and containing agaricin, another medicament, and a calcium phosphate preparation.

Albertan—A wound-healing agency (an aluminum phenylate), useful as a substitute for iodoform. According to several German medical scientists, albertan has proved successful in the treatment of fetid, heavily secreting wounds, burns, abscesses, etc.

Alvitol—A disinfectant, appearing as a white powder in tablets; used in water solution (0.1 per cent—0.3 per cent) as a urethral spray, as well as for the mouth and throat

Alvenal—A 50 per cent grape sugar solution, to stimulate labor pains in child birth, when the patient is in an exhausted condition. The effectiveness is said to be evident from two to five minutes after intravenous injection, and to last from 30 to 60 minutes.

Aspechin (Acetyl-salicylic acid plus quinine)—A sedative and analgetic, used in treatment for colds, asthma, etc. 0.5 gr.

Bismogenol—A double compound of bismuth for injection (1 c.cm.) against fresh syphilis.

Calpotium—A new wound balsam, made of effective alkaloids derived from plants. An advantage possessed by this salve is said to be due to the fact that it does not irritate the skin, and that it hastens the healing of the wound; it is said to be particularly fitting in the treatment of decubitus, ulcus cruris, wounds, etc.

Cholaktol—A peppermint oil preparation, inducing the secretion of bile, appearing also to be effective in the treatment of hyperemesis gravidarum.

Curral—A dialyl barbituric acid preparation for treatment of nervous sleeplessness. According to Muenchener med. Wochenschrift, 1923, p. 352, curral has been used with considerable success; a woman is reported to have taken 10 tablets at one time and shown no symptoms of poisoning.

Darysal (paraform plus salicylic acid)—An anti-gonorrheal agent for internal use, taken in tablet form. Four tablets contain 0.1 paraform, 0.1 salicylic acid, 0.1 senna. One or two tablets should be taken three times daily.

Dicodid—A new codein derivative (hydrocodein) is said to be effective in quieting pain, with advantages not possessed by morphine; 0.015 gr. of dicodid corresponds in effectiveness to 0.01 gr. morphine. A usual dose of .01 gr. dicodid is claimed to cause no sleep or a feeling of tiredness.

Digitalis-Dispert—A digitalis preparation, produced by a special (Krause) process; a dry digitalis cold macerate shows after drying the same titre as before treatment and is recommended for its wholesomeness and uniform effectiveness. It is sold in tablets and suppositories: one tablet equals 150 Frosch units; one suppository equals 300 Frosch units; five or six tablets are to be taken daily; one to three suppositories daily.

Gardan—A combination of pyramidon and novalgin with intensified effectiveness; used as an antipyretic, analgetic, and antirheumatic.

Hegonon-An anti-gonorrheal agent.

Hova Tablets—The name being derived from the first two letters in each of the words hops, and valerian; the effective principles of which are contained in a harmless sedative preparation.

Hygiodont Mouth Water—Reputed, on account of certain principles contained in it, to be a mouth and tooth wash of extended effectiveness; it is said that Hygiodont reacts to destroy germs in the mouth and that its effect lasts for hours, while certain other mouth washes only have a brief destructive influence on the mouth's microorganisms.

Hygiodont Tooth Paste—Similarly constituted and with like effects.

Idrabaryum—A powder-forming barium mixture, used as a contrast agent. Recommended for its cheapness compared with other preparations.

Juvenin-According to Goerl, in Muench. med. Woch-

DRUG AND FINE CHEMICAL SECTION

enschrift, 1922, p. 1649, has been found to have extended its usefulness. Juvenin is a combination of arsenic, strychnine, and yohimbine, the two latter being combined with methyl-arsenic acid. By altering the strength, the agent has been found to be effective in the treatment of weak and impotent persons; cases of spermatorrhea and prostatorrhea were treated with good results. Juvenin is said to have no effect in cases where impotence is due to organic afflictions, such as Tabes Dorsalis and multiple Selerosis. The treatment recommended is 10 injections, one being given every second day, then 50 tablets, increased from 3 to 4 per diem, and finally another 10 injections.

Kresival—A calcium salt, soluble in water, of the sulfo acid of cresol. Experiments on animals showed that large doses could be given, and in twelve cases of tuberculosis or of catarrh of the respiratory organs, as well as a case of coughing from grippe, Kresival was found to have beneficial effects (C. Baron, in Med. Klin. 1923, No. 11). The dose was one tablespoonful three times a day. Children are dosed, according to age, with a teaspoonful three or four times a day.

Mianin—A "sodium salt of paratoluolsulfochloramid", recommended as a disinfectant, is used for hands and instruments in parts 3-5: 1000. This preparation is packed in boxes of 40 tablets of one grain each.

Mitigal—An anti-scabies agent, is a thick oil with 21 per cent sulphur content, and is in use not only to alleviate itch, but also for the treatment of many skin affections, instead of sulphur salve. One bottle, with 150 cubic centimeter content, is said to be sufficient for a cure. Several critics have commented favorably on this preparation.

Mucosan—Known for quite a long time as an antigonorrheal agent, is being used more widely now on account of the alarming increase of venereal diseases in this country. The manufacturers describe it as a double zinc salt of boric-disalicylic acid. One tablet is dissolved in a half pint of water, and then introduced into the urethral canal.

Normacol—Is a purgative containing Rhamnus frangula and a plant excretion of the Bassorin chain.

Novalgin—A new analgetic and antipyretic, derived from pyrazoline, has been widely commented on. This preparation is said to have been particularly useful in the treatment of tubercular fever. See its use in combination with Pyramidon as Gardan.

Olobintin—A turpentine preparation, being a 10 per cent solution of a mixture of different rectified turpentine oils, is used in the treatment of skin diseases, such as prodermie, furunkulosis, eczema, ulcus cruris and gonorrhea as well as gonorrheal complications. Treatment begins with a subcutaneous injection of one cubic centimeter and subsequent injections every three or four days.

Omadin—A full vaccine, containing a mixture of reactive albumen units along with lipoids from gall and animal fats. Schaudigel, according to Muencherner medischer Wochenschrift, 1923, No. 21, successfully made 800 injections in cases of infectious diseases, septic and purulent affections. Other critics also mention omadin favorably.

Panitrin—A new papaverine preparation (papaverine nitrite, dissolved in acetyldiathylamid), recommended as a treatment for ringing in the ears, deafness, chronic headaches, has been found useful further in treatment for eye diseases, i.e. glaucoma, asthenopia.

Pancreas-Dispert—Prepared by a special process from the fresh pancrea of swine (see also Digitalis-Dispert), this preparation contains the three digestive ferment agents, trypsin, diastasie, and lipase. One tablet equals one fresh pancreas. The preparation is used in the treatment of digestive ailments, and to be taken from four to five times daily, one or two tablets being taken before meals.

Pellogon—An anti-gonorrheal remedy, composed of Ol. cubebarum with Ol. succini,

Phenapyrin—An analgetic and antipyretic, in tablet form, four tablets containing 0.25 phenacetin, 0.15 antipyrin, and 0.05 caffein.

Pranatol—For use against scabies and itching of the skin, is made of zimtaldehyde, sagrotan, zinc oxydate, calcium carbonate, and distilled water.

Premonta—A preparation with polyvalent vitamines, calcium-glycerine phosphorus, iron albuminate, etc., for treatment of nervous complaints, neuresthenia, reconvalescence, under-nourishment, etc.

Pyrethral Tablets—For treatment of cases of rheumatism, gout and other similar ailments, prepared from effective elements from plant-life, and free from salicylic acid and its disagreeable effect.

Rhomogen—A tonic, recommended for its palatability and wholesomeness, and also containing effective elements abstracted from plant life. Recommended in cases of debility, anemia, etc.

Sarnol—Another of many advertised itch cures, recommended as it does not soil linen, nor smell objectionable.

Scabiosapon—For treatment of scabies, a soapy mass "prepared from a compound of potassium with palmatin, stearic acid and minerals, in which 20 per cent sulphur, 5 per cent calcium carbonicum and 0.01 per cent nicotin salicyl are present". Sold in tubes of 50 g.

Sedacao—A calcium bromide preparation to which cocoa is added.

Silistren—An organic preparation for treatment of tuberculosis.

Strychnotonin—A strychnine preparation, one ampule of which contains 0.05 methyldisodiumarsenate and 0.001 strychninum hydrochloricum in isotonic solution, used in treatment for chlorosis, anemia, and nervous disorders.

Terogon Tablets—Containing extract of pichi-pichi, extract of kava-kava, lecithin and Ol. Chamonillae aether., for treatment of gonorrhea; taken in dose of three or four tablets, three times daily after eating.

Trepol—A 10 per cent suspension in olive oil of potassium-sodium-bismuth tartrate, for injection against syphilis; it is said to be accompanied by ill-effect, such as shivering, stomatitis caused by bismuth, and nausea.

Valorom (extract valerian aromat.)—A substitute for valerian infusion.

Veramon—An analgetic, widely used in dental surgery; the product is a compound of pyramidon and veronal, strong enough to react as anaesthetic.

Voluntal—A sedative and sleep-inducing agency; concerning the intensity of its effect, voluntal may be considered as intermediate between the sedative adalin and the sleep-inducing agent, veronal. No disagreeable effects have been noted.

Alcohol utilized in or exported from Cuba to be used in the manufacture of chemicals or pharmaceutical products is to be denatured by the addition of 10 parts of menthanol, 150 parts sulfuric ether, and 5 parts sulfuric acid per 1,000 parts of alcohol, according to a decree of President Zayas. Alcohol to be used for fuel has to be denatured by the addition of 30 parts of methanol, one-half part of naphthalene, and 2 parts of turpentine per 1,000 parts of alcohol.

HEAVY DECLINE IN GUM IMPORTS

Washington, D. C., Aug. 6.—The result of the change in the materials now being used in the preparation of varnishes was reflected in the import trade of varnish gums and resins, for the fiscal year ended June 30, says the Chemical Division, Department of Commerce. Receipts of copal, damar and kauri gums fell from 28,-229,270 pounds, valued at \$4,274,487, to 16,459,117 pounds, valued at \$2,618,663, and shellac from 32,772,776 pounds, valued at \$21,034,532, to 28,511,593 pounds, valued at \$15.170.791.

Outside of greater sales to foreign countries of American wood turpentine, turpentine substitutes, and wood tar and pitch, exports of naval stores, gums and resins remained about the same in both years, with slightly

less spirits of turpentine sent abroad.

The demand for American paints and varnishes improved by 16 per cent, \$16,107,445 worth having been exported for the year 1923-24. The noteworthy incidents of this group of commodities were the advance in sales of carbon and lamp blacks from \$2,730,565 (18,-157,775 pounds) to \$4,929,142 (37,563,672 pounds) and in varnishes from \$1,404,786 (880,816 gallons) to \$1,660,-204 (965,494 gallons). Pigments, with one or two exceptions, as well as enamel paints, and all other paints except other ready mixed, fell off during this past year. Imports of paints, which are comparatively small, recorded a reduction of one-fifth, and were less than one-fifth as much as the exports.

VANILLA CROP IN GOOD CONDITION

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, July 28.—The condition of the vanilla crop in this state as a whole is good, although for the past eight days there has been no rain in the vanilla district. With good rains in the month of August the prospects are for a larger vanilla crop than was gathered last year and of a much better quality. Rains have been abundant until during the past week. August is when the rain is most needed, when the vanilla beans begin to fill out.

All the 1923-24 crop is sold, with the exception of 8,000 pounds of whole vanilla in the Papantla district. This vanilla is not of the best quality, and the curers are asking only \$9.50 to \$10.00 per pound. There is not any good quality vanilla for sale, and no cuts left

on the market.

The Synidacto of Vanilla laborers, who do the curing of the vanilla beans, are forming a union, and will demand higher wages. An American firm who buy the green beans and do their own curing in Mexico, have installed hot air heaters at their curing plant, to help in drying and curing the beans. They are the only curers who have drying machines.

ASK DECISION ON STOLEN ALCOHOL TAX (Special to Drug & Chemical Markets)

Washington, D. C., Aug. 6.-The Alcohol Trades Advisory Committee will attempt to have Commissioner Blair of the Internal Revenue Department hold up the enforcement of the recent decision regarding tax abatement on stolen alcohol as given by the chief counsel for the Prohibition Unit, until the matter may be referred to the Attorney General's office for an opinion, it is reported here. According to the tax ruling, deductions are made from tax abatements where the lost or stolen alcohol is covered by insurance, to the amount of the insurance. In short, any insurance carried by a shipper, is profit to the government in case of theft or loss. It is understood here also that the enforcement of the stipulation holding manufacturers using alcohol, responsible for the acts of their jobbers and distributors, will be postponed indefinitely.

UNCERTAIN TARIFF DUTY RATES WORRY FOREIGN MANUFACTURERS

Conrad Raab of Chemical Works Roermond Comments on American Valuation,—Crop Conditions in Drugs and Oils Good in Holland—Continental Business Still Upset by German Chaos—Magnus Appointed American Sales Agents

That the uncertainty of the tariff rate based upon American valuation is the principal objection of the foreign manufacturer of synthetic aromatic chemicals to



CONRAD RAAB

the present American schedule was brought out with emphasis by Conrad Raab, son of the president of the Chemical Works Roermond, H. Raab & Co., of Roermond, Holland, in an interview with Drug & Chemical Markets. "An excessively high rate of duty," he said, "may shut us out of the American market entirely, but a rate that may be changed overnight causes us unnecessary worry and in some cases actual loss. You are perfectly within your rights in making a

tariff wall so high, no European manufacturer can scale it; but it seems illogical and unfair to us to juggle with import and export business in this way, particularly when there is a real demand from American perfumers for some of the imported aromatics, which are used, of course, by their strong competitiors, the French

perfume houses."

Mr. Raab, who has been in this country for the first time, the past three weeks, during which time he has visited the trade in the East and Middle West, is at present in Canada. He has found trade conditions here, during this quiet summer, not unlike those abroad, where the economic upset in Germany is felt throughout the entire synthetic organic chemical field. "German labor costs," he pointed out "are still the lowest in Europe; but the manufacturers there are badly crippled by lack of cash or credit. They are buying in much smaller quantities all their raw materials; and when we meet them in competition we find that they are willing to sell very close to their costs in order to get funds.

"All the drug and essential oil crops of the Low Countries are large and of good quality this year. The big caraway crop has, so I understand, already brought down the price of both seed and oil in your markets. Price quotations for forward shipment are half of the figures named for spot delivery but a few weeks ago. The hyacinth and narcissus crops in Holland this spring were both large and of fine quality for distillation, owing to very favorable weather conditions."

During his visit here Mr. Raab, who returns to Holland next week, has appointed Magnus, Mabee & Reynard exclusive selling agents for the Roermond line of aromatic chemicals, and full lines will be carried on spot in New York, Chicago, and Montreal.

Suit has been entered in the City Court of Baltimore against Willoughby M. McCormick, president of McCormick & Co., Inc., drug and spice millers, for \$75,000 damages, by William C. Price, who alleges that the electric automobile of Mr. McCormick ran up on the sidewalk on July 9, 1923, and broke his leg, besides causing other injuries.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 416

DOMESTIC CAMPHOR CUT BY MAKERS

In Competition With Imported Material-Japanese Menthol Firmer on Active Buying—C.P. Glycerin Higher—Thymol Higher—Potassium Permanganate Steady-Citric and Tartaric Acids Quiet-Cod Liver Oil Advances-Denatured Alcohol Sharply Up

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Alcohol, denatured, 2c gal. Menthol, Japanese, 25c lb. Cod Liver Oil, Norwegian, 50c bbl. Thymol, 5c lb. Glycerin, C. P., 1/3c lb.

Acid, Salicylic, Resales, 1c fb. Camphor, Japanese, Slabs, 1c fb. Domestic, Sc fb.

Trend of the Market						
	Today			Last	War Peak	Pre. War
Acetanilid	\$.32	\$.32	\$.32	\$.32	\$2.00	\$.20
Acid Citric, Import	.46	.46	.47	.52	1.25	.45
Caffeine Alkaloid	3.50	3.50	3.50	3.75	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3,43	.90
Camphor, Jap., ref	.70	.71	.72	.88	3.55	-41
Iodine, Resublimed	4.40	4.40	4.40	4.55	6.00	3.75
Menthol		10.50	11.25	10.00	13.50	3.00
Potassium Bromide, Cryst.	.36	.38	-38	.26	4.30	
Quinine Salfate, Imp	.50	.38	.50	.50	.90	.25 .27
Sodium Salicylate	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate	.413/2	.413/	.411/6	.84	2.06	.50
Average	2.11	2.09	2.16	2.12	5.92	1.56

The fine and medicinal chemical markets has firmed up during the week on active demand and higher exchange rates, which make replacements of imported chemicals above spot levels. Orders, which have been in the market for two weeks, have not found sellers with the result that they were withdrawn, and subsequently replaced with much smaller ones. This small buying over a broad area has given sellers the desired stimulus to raise prices, since they are not able to replace at the current figures. However, some buyers think that the present bullish movement is temporary only, and that they will see lower prices before the active consuming season begins. Consumers of a number of chemicals are known to be running close, and with sellers taking advantage of this increase in small lot business, prices may keep on advancing before any reaction sets in. The steady demand for menthol has reduced spot stocks materially, and some sellers can only quote for August

Acid Acetylsalicylic-Market appears firm with first hands naming 75c@85clb. spot, and resellers 75c@77clb. Little better inquiry reported.

Acid, Citric-Domestic makers appear to be getting all of the spot business at 46c@47clb. as to quantity.

Imported material is also named at 46c@47clb., but no forward delivery is being done owing to the high prices asked for shipment, namely, 30clb. c.i.f. New York.

Acid, Phosphoric-Domestic named firm at 16c@17c lb. spot as to quantity for U.S.P. goods.

Acid, Salicylic-Makers of U.S.P. goods still adhere to 35clb. spot, although goods in resale hands are named lower at 32c@33clb. Demand slow with tendency to accumulation of stocks.

Acid, Tannic-U.S.P. quoted steady at 75c@80clb. spot with technical at 30c@40clb. as to test.

Acid, Tartaric-The importation of 860 kegs last week will probably not affect the present market, because the importer of these goods is not apt to bring in such a large quantity when the market is as weak as it is. Imported named at 27c@271/2clb. spot as to quantity. Domestic, 30clb.

Adeps Lanae-Competition for available business still appears to be keen with makers naming 15c@21clb. spot for hydrous, and 18c@23clb. for anhydrous material.

Alcohol-Makers have advanced prices on Tuesday last owing to higher cost of raw materials and now quote 491/2c@501/2c gal. spot for No. 1 specially denatured, and 471/2c@491/2c gal. for No. 5 completely denatured. This increase is in addition to the advance of one cent gallon which automatically occurred on Aug. 1.

Amidopyrine-Market easy with holders naming \$4.35 @\$4.50lb. spot as to quantity for imported material, and \$4.60lb. for domestic goods.

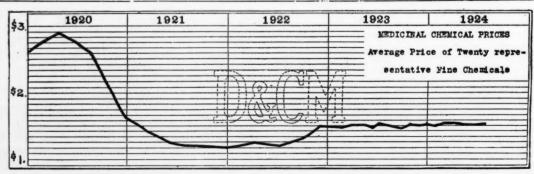
Antipyrine-Little inquiry noted last week at \$2.05@ \$2.10lb. spot as to seller and quantity.

Bay Rum-Market dull with holders of St. Thomas material naming \$1.20@\$1.25 gal. spot, and same figures for Porto Rican goods.

Bromides-Imported ammonium firm at 29c@31clb. spot; potassium, 25c@27clb.; and sodium, 33c@35clb. with September shipment named at 38c kilo c.i.f. New York. Domestic ammonium, 44clb.; potassium, 38c@ 39clb.; and sodium, 38c@39clb.

Camphor-Japanese slabs have eased off and are now quoted at 70c@71clb. spot with prompt shipment named at 61clb. c.i.f. New York. Domestic lower at 83clb. in

Cod Liver Oil-Norwegian has advanced and now quoted at \$21.00@\$22.50 bbl. spot as to quantity and brand. Buying has been active and the primary market is reported to be firming up.



Cream Tartar—Imported steady at 20c@201/clb. spot as to quantity, and domestic at 211/4c@211/clb.

Formaldehyde—First hands are firm at 9clb. works in c/l, and 9½c@10clb. in carboys. Buying over the past two weeks reported active. Stocks have been materially reduced, and sellers look for firmer market during the next month.

Glycerin—C.P. has advanced and now quoted at 17½c @20clb. spot as to quantity and seller owing to tending scarcity of supplies. If any increase in demand appears on spot, much higher prices may result.

Menthol—Japanese imported quoted firmer at \$10.75@ \$11.25lb. spot as to quantity. Latest reports state that Japan is not offering at the moment, especially for prompt shipment. Jan.-Mar. shipment is named at \$8.25lb. c.i.f. New York.

Mercury—Spot quoted firm at \$71@\$72 flask as to seller and quantity. London names £13 per flask for shipment from Italy. The first of the week the London market was quoted at £13 10s., but later declined to £13 per flask.

Potassium Permanganate—Imported generally quoted at 14c@14½clb. spot with some outside large lots still available at 13½clb. Domestic, 14c@14¾clb.

Sodium Benzoate-Makers name 65c@68clb. spot as to quantity.

Thymol—Has advanced and now quoted at \$3.30@ \$3.50lb. spot with one house inside at the maximum. Supplies tending scarce.

CITRATE OF LIME IMPORTS DECLINE

A considerable reduction in purchases of citrate of lime by the United States from foreign countries occurred during the past year, when less than half was brought into the country, says the Chemical Division, Department of Commerce.

Imports of potassium bitartrate, crude, argols, dropped from \$1,738,874 (21,949,727 pounds), to \$1,244,303 (17,-

649,743 pounds).

Another marked decline was made in imports of iodine, which dropped from \$1.067,491 (342,206 pounds) in 1922-23, to \$137,806 (55,974 pounds) in 1923-24.

John S. Adriance, formerly professor of Chemistry at Williams College and well known in the chemical industry, who has been in a sanitarium at Beacon, N. Y., since June 10, will be examined by a commission in lunacy appointed on July 29 by Justice McGoldrick of the New York Supreme Court.

"Merck's Price List" for August has been issued to the trade, giving advances in acetone, acid phosphoric, chrysarobin, creosote, guaiacol, thymol, and thymol iodide; and declines in acid citric, coumarin, lanum, lead acetate, menthol, and phenolphthalein.

Amsterdam Quinine Factory, Amsterdam, recently declared a 25% dividend covering 1923. In 1922, the payment was 28½%, and 28% in 1921. During the war dividends exceeded 50%.

The Tariff Commission will not take any action for some weeks on the chemical cases which are in their final stages. Several of the commissioners have gone on their vacations.

United States Industrial Alcohol Co. has obtained a permit for a one-story fireproof building at Curtis Bay, Baltimore. The structure is to be 16 or 17 feet and will cost \$9,000.

Exports of Chilean iodine during 1923 were 463,157 kilos, compared with 281,439 kilos in 1922.

CASCARA HIGHER IN LONDON

Advances Announced on Castor Oil, Lead Products and Lemon Oil—Market Easier for Carbolic Acid, Menthol, Cream Tartar and Peppermint Oil—Quotations Lower on Orange Oil, Pyridine and Coumarin

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Aug. 6.—Crude drug and fine chemical prices are steady. Advances are announced on cascara sagrada, litharge, castor oil, lead products and lemon oil. The market is easier for carbolic acid, menthol, cream

tartar and peppermint oil.

Quotations are lower on oil orange, pyridine and

London, July 26 (By Mail).—Cable advices from Asia Minor regarding the new opium crop report severe rains in several districts which is delaying arrivals. The few cases so far delivered are of lower grade and test than usual and the crop estimate is now put at 4,000 cases, which is lower. Appearances point to the probability of a steadier market for some few weeks before the extent of the rain damage is fully ascertained.

Belgian Roman Chamomiles are promising well and with the ample stocks of last crop brought forward

prices will continue tending downwards.

Cascara Sagrada for forward shipment moves in buyers' favor and the much lower figure of 72s 6d per cwt. is now quoted.

Bromides have resumed their advance and several second hand parcels which were pressed on the market have been cleared.

Agar Agar is decidedly firmer at 5s 9d per lb. for No. 1 Kobe strips.

Camphor—Jap slabs have improved to 2s 11d to 3a per lb. on spot and c.i.f. offers are fully up to these figures.

Other leading market articles of interest which are firmer to higher on the week are otto of rose, balsam copaiba, cloves and clove oil, citric acid and linseed oil.

The only declines recorded are in shellac, vanillin, and a weakening in the position of pyridin after its extended rise.

HOW TO MARK QUICKSILVER FLASKS

The following letter on marking quicksilver flasks so that the marks will not be obliterated in transit and handling, was sent July 31 to the Collector of Customs, New York, by McKenzie Moss, Assistant Secretary of the Treasury: "The Department is in receipt of your letter of the 21st instant (275/952), reporting in regard to the marking to indicate the country of origin under Section 304 of the Tariff Act of iron flasks containing imported quicksilver, the question having been submitted by G. Ramos, 76 Fifth ave., New York. N. Y. It is stated by the importer that the flasks are marked with paint at the mine in Mexico, but in handling the flasks in shipment the marking is liable to be rubbed off.

"The Appraiser of Merchandise in a report suggests marking on the neck of the flask with durable paint or marking by means of a metal tag attached to the neck of the flask by wire, the tag to be die-sunk to indicate the country of origin. You state that you concur in the appraiser's views. The Department also regards either of these methods for marking quicksilver flasks as practicable, and importers of quicksilver should be advised to mark their flasks by one of these methods. A copy of this letter will be transmitted to the importer for his information."

H. Rothstein, Apex Chemical Co., New York, has returned from a motor trip to Canada.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 438

INSECT POWDER LOWER IN COMPETITION

Season Fast Waning—Amber Sorts Steady—Cascara Sagrada Quoted at 11c lb. f.a.s. Coast—Celery Seed Scarce—Cardamom Seed Active—Orris Root Firm— Senna Pods Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Cantharides, Chinese, powd. 5c fb. Gambier Gum, 2c fb. Guaiac Gum, 2c fb. Guaiac Gum, 2c fb. Marjoram Leaves, French, 2c fb.

Damiana Leaves, 1c tb. Insect Powder, 3c tb. Myrrh Gum, Select, 3c tb. Declined
Sandarac Gum, 3c tb.
Senega Root, 5c tb.
Senna, Pods, 12c tb.

	nd of t	Last	Last Month	Last Year	War Peak	Pre. War
Aconite Root, U.S.P	\$.39	\$.39	\$.40	\$.38	\$.90	\$.12
Buchu Leaves, Short		.76	.75	.90	4.00	.85
Cantharides, Russian		.90	.90	1.75	9.00	2.10
Cocculus Indicus		.03	.03	.031/2	.85	.03
Ergot, Spanish		.30	.30	.51	4.50	.54
Insect Powder, pure		.55	.63	.60	1.00	.28
Ipecac, Cartagena, powd		2.10	2.10	1.90	4.50	1.35
Nux Vomica		.05	.05	,063/2	.141/2	
Opium, gum		9.00	8.00	8.00	30.00	5.00
Rhubarb Root, H. D	.29	.29	.30	.43	1.75	.15
Tragacanth, No. 1, ribbon	1.20	1.20	1.20	1.52	6.00	1.50
Wild Cherry Bk., thin nat.		.081/	2 .091/2	.10%	.21	.07
Average	1.31	1.31	1.32	1.35	5.28	1.00

Although the average price of twenty representative crude drugs shows an advance on Aug. 1 over July 1, the increase was caused mainly by a sharp jump in two or three items, while the balance of the list remained practically stationary. However, a better undertone prevails at this time, and with the Fall consuming season in the offing, sellers view the situation optimistically. Gathering of crude drugs in the South appears to have progressed along lines that will enable the consumer to obtain supplies at prices below last year. With cheaper raw materials to work from, buyers may show more disposition to stock up in larger quantities than heretofore. Reports from the Coast indicate that the cheap offerings of cascara sagrada have been exhausted, and now 11c lb. f.a.s. is the best price quoted. The spot market in the bark appears to be slightly firmer. First hand reports coming out of the Middle West btate that buying of botanicals is on the increase there.

Aconite Root—Little business reported at 39c@41c lb. spot, and leaves at 10c@12c lb.

Agar Agar-Spot market quiet at \$1.45@\$1.50 lb. for

No. 1 material, and \$1.20 lb. for No. 3 with August shipment named at \$1.12 lb. for No. 1, \$1.05 lb. for No. 2, and 97½c lb. for No. 3 c.i.f. New York.

Aloes—Curacao quoted firm at 9½c@10c lb. spot with some houses inside at 11c lb. Buying over the past three weeks has reduced stocks materially. Replacements fully equal to these figures. Cape quoted at 8½c@9c lb.

Anise Seed—Spanish steady at 14c@14½c lb. spot with Aug.-Sept. shipment named at 13½c lb. c.i.f. New York. Star quoted at 11½c@12c lb.

Arabic Gum—Amber sorts firm at 12c@121/2c lb. spot owing to the commencing of the rainy season in the primary market. From now on the quality declines appreciably.

Arnica Flowers—Market steady at 8½c@9c lb. spot, and root 25c@30c lb.

Balm Gilead Buds—Sellers name 43c@48c 1b. spot as to quantity.

Balsams—Oregon Fir quoted on spot at \$1.10@\$1.20 gal. with prompt shipment named at \$1.00 gal. f.o.b. shipping points. Canadian Fir is quiet at \$12.50 gal. For other balsams, see Essential Oil Market.

Belladonna Leaves—Market reported firm at 23c@25c lb. spot, and root 11c@12c lb.

Buchu Leaves—Spot bales quoted at 76c@77c lb., and 82c@83c lb. for less with shipment named at 75c lb. laid down in New York. Exports from the Union of South Africa for January and February were 27,225 pounds, valued at £3,150, compared with 54,500 pounds, valued at £7,721, for a similar period in 1923.

Buckthorn Bark—In active demand at 5¼c@6c lb.

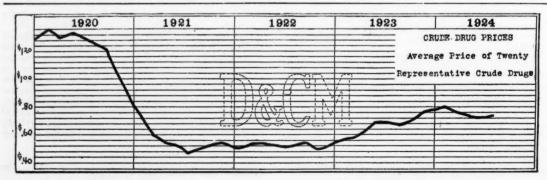
Cantharides—Chinese powdered material higher at \$1.10@\$1.15 lb. spot, and whole at 90c@95c lb.

Caraway Seed—Market easy at 14c@15c lb. for Dutch material, and 13c@14c lb. for African.

Cardamom Seed—In active demand at \$1.75@\$2.00 lb. spot for bleached, and \$1.55@\$1.60 lb. for decorticated.

Cascara Amarga—Quoted higher at \$1.40@\$1.50 lb. spot for true, and so-called at 25c@30c lb.

Cascara Sagrada—Spot unchanged at 16c@18c lb. for 1924 peel, and 22c@26c lb. for old bark as to age. Best price now quoted for shipment from the Coast is 11c@11½c lb. The local trade looks for a stiffening up



DRUG AND FINE CHEMICAL SECTION

in this item in the near future. They figure that weak FEDERAL DRUGGISTS REPORT \$60,000,000 holders are about cleaned out.

Catechu Gum-Higher at 11c@12c lb. spot.

Celery Seed-Scarce and firm at 32c@34c lb. spot.

Cloves-Zanzibar firm at 281/2c@29c lb. spot. New crop is estimated at 125,000 bales, which is considerably below normal.

Damiana Leaves-In good supply and easier at 13c@ 14c lb. spot. In a large way 121/2c lb. might be done.

Dandelion Root-Scarce at 40c@45c lb. spot.

Elm Bark-Select quoted easy at 25c@26c lb. spot. Guaiac Gum-Has advanced and now quoted at 40c@

42c lb. spot owing to scarcity.

Insect Powder-Lower at 52c@55c lb. spot due to easier shipments and slow demand on spot. Aug.-Sept. shipment named at 313/4c@321/4c lb. c.i.f. New York, although one direction says that 34c lb. is inside.

Leeches-Lower at \$3.50@\$4.00 per 100.

Mandrake Root-Market easy at 14c@16c lb. spot.

Marjoram Leaves-French active and higher at 14c@ 15c lb. spot, and German 11c@20c lb.

Myrrh Gum-Lower at 24c@26c lb. spot for select, and 20c@22c lb. for sorts.

Orris Root-Florentine powdered firm and active at 9c@91/2c lb. spot, and whole at 7c@8c lb.

Sandarac Gum-Lower at 24c@25c lb. spot.

Senega Root-Sales have been made at 55c@57c lb. spot last week. Market reported weak.

Senna-Pods have declined and now quoted at 18c@ 20c lb. spot owing to recent cheap arrivals.

Stavesacre Seed-In active demand at 42c@45c lb.

Strophanthus Seed-No supplies available.

Valerian Root-Belgian in small demand at the moment at 9c@91/2c lb. spot.

FOREIGN TRADE IN DRUGS INCREASES

(Special to DRUG & CHEMICAL MARKETS) Washington, D. C., Aug. 6 .- Both the incoming and outgoing shipments of crude drugs, roots, etc., advanced during the past year, the former 17 per cent and the latter 18 per cent, says the Chemical Division, Department of Commerce. With a few exceptions the United States is not primarily an exporter of crude drugs and the exports were less than half the imports, which totaled \$8.562,230 for the year just ended. Significant in this trade, was the fact that more than double the amounts of licorice root, or \$2,906,352 (87,684,355 pounds) were received during the past year than during the preceding year, while cinchona bark receipts fell off 38 per cent.

The popularity of American medicinal and pharmaceutical preparations chiefly composed of proprietary preparations and similar commodities, continued, an advance of 7 per cent having been made, and the total exports of the year 1923-24 having amounted to \$16,-418,326. Domestic sales of imported medicines fell off 9 per cent and approximated one-third of the foreign sales. Exports of American antitoxins, serums and vaccines, nearly trebled during the past twelve months over the

previous twelve months.

Eastern Drug Co., Boston, held its annual outing for employees on July 26 at Salem Willows, Mass. About 200 persons attended the shore dinner and sports after the trolley ride from Boston. After various races and other sport events, a baseball game was played between the married and single men. The latter won, 13 to 9.

BUSINESS WITH 15,000 MEMBERSHIP

Co-Operative Association Includes Wholesale Drug Houses Scattered Over the United States and Canada -O. J. Cloughly, of St. Louis, Elected President-Managers Who Attended Annual Meeting

(Special to DRUG & CHEMICAL MARKETS)

Minneapolis, Minn., Aug. 6.-The Federal Wholesale Druggists' Association, a national organization of cooperative companies which supply druggists with goods at cost plus a percentage for doing business, held its ninth annual meeting here in July. Over 25 companies were represented. Officers elected are: President, O. J. Cloughly, St. Louis Wholesale Drug Co.; treasurer, J. H. Marshall, Northwestern Drug Co., Minneapolis; secretary, R. E. Lee Williamson, Calvert Drug Co., Baltimore.

The report of W. A. Hargreaves of Toronto, retiring president, shows that the business done by the various corporations in the Federal Association last year amounted to \$55,000,000 to \$60,000,000, and that the number of retail druggists who are stockholders and customers was 12,000 to 15,000. For the first six months of the current year there has been a gain in business of 81/2 per cent over the corresponding period of 1923. while the increase in customers was 5 per cent.

The managers of the various corporations present at the meeting are: R. E. Lee Williamson, Calvert Drug Co., Baltimore; O. B. Thuma, Cincinnati Economy Drug Co., Cincinnati; E. J. Coney, Hoosier Drug Co., Indianapolis, Ind.; O. J. Cloughly, St. Louis Wholesale Drug Co., St. Louis; J. H. Marshall, Northwestern Drug Co., Minneapolis, Minn.; F. R. Rohrman, Philadelphia Wholesale Drug Co., Philadelphia; W. H. Bradbury, Washington Wholesale Drug Exchange, Washington, D. C.; J. J. Dryer, New Jersey Wholesale Drug Co., Newark, N. J.; J. C. Krieger, Ellicott Drug Co., Buffalo, N. Y.; W. H. Hargreaves, Drug Trading Co., Toronto, Canada; F. T. Roosa, Mutual Drug Co., Cleveland, O.; C. A. Dyson, Union Whholesale Drug Co., Boston, Mass.; E. B. Barthrom, Pacific Wholesale Drug Co., Portland, Ore.; H. A. Ireland, Miami Valley Drug Co., Dayton, O.; Bert Heath, Rochester Drug Co., Rochester, N. Y.; L. Wilson, American Wholesale Drug Co., Denver, Col.; Mr. Martin, Drugs, Limited, Winnipeg, Canada; J. W. Ragsdale, Los Angeles Drug Co., Los Angeles, Cal.; J. K., Teeporten, Ltd., Vancouver, Canada; F. E. Seger, West Coast Wholesale Drug Co., Seattle, Wash.

BETTER GET ALCOHOL PERMIT FIRST

Applications for permits to operate industrial alcohol plants must be made to the Revenue Bureau at Washington, according to instructions issued to revenue collectors by Commissioner Blair, as a result of information that in some instances persons had been seeking the advice of collectors as to whether the desired permits would be issued.

"Upon being favorably advised," Mr. Blair said, "the applicants have proceeded with their plans pending action by the bureau. If the permits are denied, which action is sometimes necessary as the result of information in possession of the bureau, objection is, of course, registered by the applicants on the ground that they have been led to believe that their applications would be favorably acted upon and consequently have made expenditures of money."

R. M. Stevenson, Detroit, sales agent for Eastern crude drug and chemical houses, is on a short visit to New York.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 445, Aromatic Chemicals, 442

PEPPERMINT ADVANCES SHARPLY ON SPOT

Owing to Active Demand—Supplies Closely Held—Oil Cloves Higher—Oil Eucalyptus Easier—Oil Orange, West Indian, Lower—Oil Sassafras Easier—Average Price Lower Than Last Month

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Oil Cloves, 5c lb.

Advanced
Oil Peppermint, Nat'l., 10c lb.
Redistilled, 25c lb.

Oil Eucalyptus, Cases, 1c fb. Oil Orange, West Indian, 15c fb.
Spanish, 20c fb.
Oil Sassafras, Artificial, 5c fb.

			Last Month	Last	War Peak	Pre War
Oil Bergamot	\$3.50	\$3.50	\$3.60	\$2.60	\$7.00	\$5.00
Oil Citronella, Ceylon	.80	.80	.80	.70	.92	.60
Oil Cloves	2.00	1.95	1.75	1.95	3.70	1.40
Oil Lemon, Italian	.80	.80	.80	.80	1.70	2.00
Oil Peppermint, Nat	4.10	4.00	3.80	2.65	9.00	2.25
Oil Sandalwood, E. I	6.20	6.20	6.25	7.70	13.00	5.25
Oil Sassafras, Artif	.35	.35	.35	.45	1.00	.26
Benzaldehyde, U.S.P	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.50	4.50	31.00	3.10
Methyl Salicylate, Cans Vanillin	47	.47	.47	.57	1.00	.90
	.491/					-
Average	2.12	2.11	2.10	2.17	6.83	2.05

The advance in oil peppermint has featured the essential oil market during the past week. Sales were made at the first of last week at \$3.80 pound, but at the beginning of this week nothing was available for less than \$4.10 pound for natural, and \$4.50 pound for redistilled. While the average of twenty essential oils shows a decline over the month past, business within the past week has picked up, with the result that a number of firm items now dominate the market. Stocks are not heavy at the present time, and with a better consuming, higher prices are quite likely. Weakness, however, exists in oils eucalyptus, Italian orange, sassafras, caraway, and Italian lemon. Little advance information has been received on new crop oils, which condition tends to show that the producer is keeping crop news to himself. Oil cassia appears to be firmer in the primary market than on spot.

Essential Oils

Oil Anise—Demand small, with holders of U.S.P. goods quoting 50c@52c lb. spot, and technical at 45c@50c lb.

Oil Bay-Dull though steady at \$2.20@\$2.30 lb. spot as to seller and quantity.

Oil Bergamot—Little buying going on at the moment. Quoted on spot at \$3.50@\$3.65 lb. as to seller and quantity. Italy appears to be firm in spite of the small amount of business transacted during the past two months.

Oil Bois de Rose—Market steady at \$4.25@\$4.50 lb. spot as to seller.

Oil Caraway—Dull and easy at \$5.00@\$5.50 lb. spot with possibilities of shading these figures on firm business owing to cheaper new crop material. With arrival of new oil only a few weeks off, buyers are not inclined to pay spot prices.

Oil Cassia—Redistilled steady on spot at \$2.05@\$2.10 lb., and natural at \$1.75@\$1.80 lb. with shipment named at \$1.60 lb. and up. Some houses are inside at \$2.10 lb.

Oil Cedar Wood—Firm and active at 45c@47c lb. spot as to quantity. Export buying still reported heavy. Leaf, 95c@\$1.00 lb.

Oil Citronella—Ceylon easy with holders naming 78c @85c lb. spot as to quality with shipment named at 65c@68c lb. c.i.f. as to position. Supplies ample for present needs. Java is scarce at \$1.35@\$1.40 lb. spot in drums, and \$1.40@\$1.45 lb. in tins.

Oil Cloves—Prices have advanced and now quoted inside at \$2.00@\$2.20 lb. spot for cans, and \$2.20@\$2.30 lb. for bottles owing to increasing cost of spice. A number of sources report that new crop cloves will be considerably below normal.

Oil Eucalyptus—Has declined and now quoted at 52c @54c lb. spot in cases, and 50c lb. in drums. Demand small with tendency for accumulation of stocks.

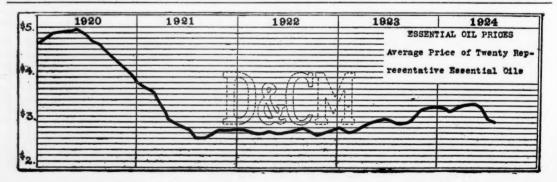
Oil Geranium—Bourbon firm and active at \$7.25@ \$8.50 lb. spot as to seller and quality. Algerian at \$7.75@\$8.50 lb.

Oil Lemon—Italian easy at 75c@85c lb. spot as to seller. Demand routine only. Domestic, 70c@75c lb.

Oil Orange—Italian named at \$2.70@\$3.00 lb. spot as to seller. Little forward buying reported at the moment. West Indian easier at \$2.45@\$2.55 lb. spot, and Spanish at \$2.45@\$2.60 lb.

Oil Peppermint—Quoted higher at \$4.10@\$4.25 lb. spot for natural, and \$4.50@\$4.60 lb. for redistilled. Stocks closely held, and demand active. No one has bought any new crop oil, according to reports.

Oil Petit Grain—South American active at \$2.00@\$2.10 lb. spot.



Oil Sassafras-Market slightly lower at \$1.20@\$1.30 lb. spot for U.S.P. goods, and 34c@36c lb. for artificial. Oil Wormseed-In small demand at the moment at \$4.00@\$4.25 lb. spot.

Balsams

Peru-Quiet with holders naming \$1.80@\$1.90 lb. spot. Tolu-Market firm and active with tendency to scarcity at \$2.00@\$2.15 lb. spot.

Vanilla Beans

Bourbon-Market slightly easier at \$10.00@\$11.00 lb.

Mexican-Whole named at \$11.50@\$12.00 lb, as to quantity and holder, and cuts \$10.00@\$11.00 lb.

Aromatic Chemicals

Coumarin-Business reported dull at the moment, with makers naming \$3.25@\$3.45 lb. spot, and resellers \$3.25

Musk Ambrette-In steady demand at \$14.50@\$16.00 1b. spot.

Terpineol-First hands still name 48c@57c lb. spot as to quantity. Market, however, is dull. Absolute named at 90c@\$1.15 lb.

Vanillin-Quoted firm by first hands at 491/2c@51c oz. as to quantity. Raw material is tending higher. Resellers name 42½c@47½c oz.

Forty different diameters in tubes for toilet preparations are reported by the Division of Simplified Practice, Department of Commerce. To help untangle this condition, the manufacturers have turned to the Division of Simplified Practice, which in turn is making a survey of production, demand, and sales, through the cooperation of the manufacturers of toilet goods and other large users of collapsible tubes. Standard shapes and sizes are equally necessary for the caps for tubes, it is asserted, thirty sizes now being made to take the place of five which might serve the same purpose if standards were adopted. These thirty sizes do not include the embossed caps which come on many special preparations.

Belgian Trading Co., New York, essential oils and makers of aromatic chemicals, announces that John C. Frenzen will be in charge of the Chicago territory, with offices at 3320 North Clark st. Mr. Frenzen will devote his entire time to developing business in the Chicago district. Belgian Trading Co. is sole distributors for Nadal, Desparmet & Co., France, organic and synthetic products, and Hortus, France, flower growers of the Siagne Valley Co-operative.

The total quantity and value of talc and soapstone produced and sold in 1923, as reported by producers, was 196,692 short tons, valued at \$3,012,253, according to the Geological Survey working in co-operation with the State Surveys of Georgia, Maryland, New Jersey, New York, North Carolina, and Virginia. figures represent a decrease from 1922 of 1 per cent in quantity and an increase of 5 per cent in value.

Simon Straus & Co., New York, are now associated with Messrs. Hijos de Fsco. Navarro, essential oil distillers and growers of crude drugs, Maria, Spain. Stocks of Spanish goods will be carried in New York.

Importations of eau de Cologne, perfumes, and other toilet preparations, containing alcohol into Lithuania are exempted from payment of the excise tax, according to a decision of the government.

OIL CITRONELLA PRICES ADVANCE

Exports From Ceylon to U. S. Were 100,000 Pounds Less Than Last Year to June 30

Shipments of Ceylon oil citronella to the United States were 100,000 pounds less than last year to June 30, according to advices from Ceylon. June shipments to the United States were 40,000 pounds, compared with 115,000 pounds during May. If July and August show a proportionate decline, the trade predicts another scarcity in two or three months. Ordinary oil is quoted at 65c up to 68c per pound c.i.f. New York, according to shipper and position, while pure oil ranges from 73c up to 75c pound c.i.f. New York. Last year at this time, considerable attention was centered on Ceylon citronella, which was coming in the New York market, containing as high as 35 per cent adulteration. A number of buyers stated that they would thereafter buy only pure oil. Consumers appear to have weakened, since estimates place the amount of Schimmel test oil coming into this market at only 70 per cent of the total imports. About two months ago consumers were willing to pay 62c pound for shipment, but at these figures the importers were not able to place the business owing to the small margin involved. At a few cents higher, business could have been closed probably. Buyers were not willing to go any higher, and before they actually covered their requirements, they had to pay as high as 73c pound. On spot in a big way 75c per pound was possible, and probably less on a firm bid.

Java oil is named at \$1.05 to \$1.18 pound c.i.f. New York, for shipment, according to position. A large part of the oil held in Java is said to have cost the exporter not more than 90c per pound. The reason he is able to get high prices is because of temporary scarcity in the consuming markets of the world. Present supplies are closely held, and with a continuation of active demand, high prices are likely to prevail for some time. The spot market is quoted at \$1.35 to \$1.40 per pound

in drums.

ESSENTIAL OIL EXPORTS INCREASE (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Aug. 6.—The largest of the increases in exports of chemicals during the fiscal year ended June 30, says the Chemical Division, Department of Commerce, occurred in essential oils. The advance of 42 per cent in the total exports to \$1,281,730 (1,258,-189 pounds) is an indication of the generally satisfactory and growing condition of this industry as well as the dependent industries, such as perfumery, cosmetics, and other toilet preparations, and flavoring extracts. For some of these oils the United States is dependent on foreign countries for its source of supply, but others are produced locally and exported-one of the most important of which is peppermint oil. The slight decrease of 5 per cent to \$5,112,255 in imports of essential oils is unimportant. Imports of lemon oil, however, rose from \$278,380 (447,150 pounds) to \$342,821 (542,623 pounds).

A continued healthy and prosperous condition in the domestic perfumery, cosmetics, and toilet preparations industries was reflected in the foreign trade as a whole. Although exports advanced but 2 per cent to \$6,903,864, they were nearly \$2,000,000 in excess of the imports, which showed a 28 per cent decrease. This is a fair example of the shifting of the chemical and allied products trade as formerly the imports of goods of this type were exceedingly important and exports were small.

Ungerer & Co. have received word that the French oil lavender crop will be below the average though much larger than last year. High prices are predicted.

Drug Consuming Industries

GERMANS GETTING 30 PATENTS A WEEK

Manufacturers Plan to Ship Pharmaceutical Products to U. S. in Bulk and Finish Here

The records of the United States Patent Office at Washington show a determined effort by German manufacturers to recapture their monopoly of certain lines of commerce in this country lost through the World War, according to Munn & Co., New York. The statement said the Patent Office was granting patents at the rate of thirty a week to residents of Germany.

"There are many drugs and compounds of value in the treatment of diseases upon which Germans are obtaining a monopoly. It is said that a favorite method is to make up the compounds in Germany in a manner sufficiently complete to be exported to this country in bulk, and then further perfected after arrival here into the final form before selling under trade marks or brands. This enables the German manufacturers to secure the low duties on imports in bulk, and at the same time obtain a high price for the perfected and branded article.

"This is especially significant when it is considered that in 1913, the last full year before the World War, when German production and German exports were their peak, 1,433 American patents were granted to Germans," the statement continued. "If the rate thus far this year is kept up, and applications still pending

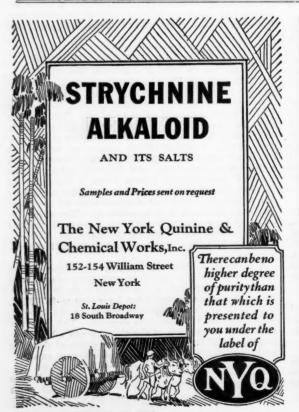
indicate that it will keep up, there will be more than 1,500 patents granted to Germans this year.

"These patents are not for luxuries or trivial notions. For the most part they are for chemical compounds, processes of manufacture and developments in metal and electrical lines—developments which mean real progress in the application of science to industry.

"Sixty per cent of the patents being issued already are assigned to German manufacturers. That the German manufacturers intend to sell their products in the United States is clear from the mere fact that the patents are sought in this country. American manufacturers, of course, will not be allowed to make or sell the same or similar products unless licensed by the German concerns.

"There is little doubt of the financial ability of the German manufacturers to carry through their plans for a commercial invasion of America. Not only has German industry steadily been strengthening its financial position, but the Reich Treasury is said to be showing a remarkable improvement each month, so much so that it is expected that government funds will be loaned to the manufacturers at 13 per cent interest."

Exports of chemicals and drugs from Japan to the United States during June were valued only at \$120,000 as compared with \$1,106,000 during May, according to the Department of Commerce, a drop of ninety per cent.



WHIFFEN & SONS Ltd. LONDON, ENGLAND

Manufacturers for over Twenty Years of

EMETINE AND Salts

C. I. F. Quotations Cabled On Application

Telegraphic Address
"WHIFFEN-LONDON"

Dr. H. C. Clauser, of Baltimore, chemist of Victor Sparkler Co., Elkton, Md., and Richard Hastman, a superintendent, were severely injured July 26 when an explosion occurred as they were conducting experiments. Dr. Clauser was badly cut on the hands and face by glass, and Mr. Hastman sustained painful injuries about the body. Both men were taken to a hospital for treatment.

The State Board of Control, Texas, has awarded contracts for 12 months' supply of disinfectants and drugs, to the following companies: Griffith Drug Co., and Voss & Koock, both of Austin, Texas; E. R. Squibb & Son, New York; Palmolive Co., Chicago; R. M. Hollingshead Co., and McKean-Eilers Co., both of Houston, Texas.

Burroughs Wellcome & Co. have been registered, recently, as a New York corporation with a capitalization of \$1,250,000 to take over the American business of Burroughs Wellcome & Co., London. Henry S. Wellcome is president; George E. Pearson, vice-president; Reginald C. Ralphs, secretary and treasurer.

A petition in bankruptcy has been filed against R. H. Luthin, Inc., chemicals and photographic supplies, 191 Bowery, New York, by Riddle & Camp, \$125; Emil Kandelka, Inc., \$392. Judge Knox appointed A. Bruce Bielaski receiver under bond of \$5,000. Liabilities, \$15,000; assets, \$10,000.

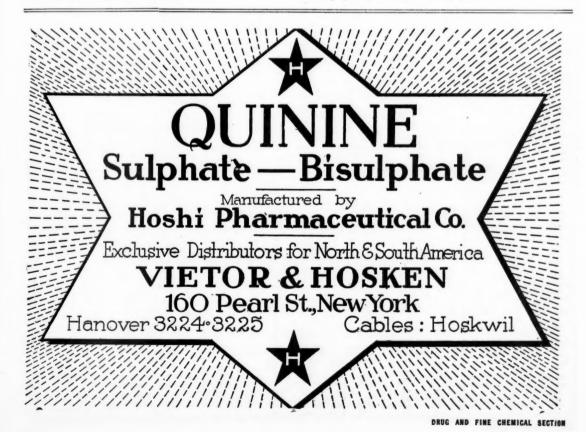
The Polish Government will control the production and marketing of alcohol, if the legislation now before the Seym at Warsaw becomes law.

MANY FRAUDS IN DRUGS EXPOSED

"Twelve thousand seizures and prosecutions based on the adulteration or misbranding of foods and medicines under the Federal Food and Drugs Act have been completed and the result of each published since the enactment of that law," says Dr. C. A. Browne, chief of the Bureau of Chemistry, United States Department of Agriculture. "Proprietary preparations bearing on labels false and fraudulent claims as to the efficacy of the preparations in the treatment of many ailments and dangerous diseases have been seized in interstate commerce in great number and variety. About everything from candy cathartics to pink pellets for pale people and falsely labeled so-called cures for cancer, diphtheria, tuberculosis and scarlet fever have been seized in various parts of the United States. Below-standard drugs to be used in filling prescriptions have been the basis of many court actions. Adulterated crude drugs to be used in making medicines of various kinds have received attention from the drug control officials.'

Milton A. Maas, vice-president of Maas & Waldstein Co., manufacturing chemists, 45 John st., New York, and Mrs. Ida M. Leslie, of Sound Beach, Conn., were married recently at Asbury Park, N. J. Mr. Maas was shot and twice wounded a year ago by unknown assailants in front of the Leslie home at South Beach, whether by robbers or by a rival was not disclosed.

The spice market is active principally in nutmegs, mace, cloves and some of the seeds; there are indications of approaching action in other groups during the next few weeks, according to John Clarke & Co., New York, spice brokers.



Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products: Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphatetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment, Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign tuyers:

- 1 Imperial Gallon (British)—1.20 American Gallons 1 American Gallon — .833 Imperial Gallon
- 1 American Gallon 3.79 Liters
- 1 Liter .264 American Gallon
- 1 American Gallon (Water) -8.35 Pounds
- 1 Pound (Avoirdupois) .454 Kilogram 1 Kilogram —2.20 Pounds

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Chemicals

		Chemic	ais				
ACETANILID, tech. 150 th bbls th	.27 : .28	Acid Carbelle-(continued)			(Acid, hydrofluorie—(continued)	-	
100 th kgstb	.25 : .30	Liquid USP, 1 lb bot lb	.34	.35	60% 100 m cby., wks m		.14
USP 200 b bbls	.30 : .32	Crude, 25% 50 gal. bbisgal	.33	.35	60% 300 lb dr., wkslb		.13
Second Hands Th	.291/4: .30	10%, 50 gal, bblsgal	.27	.30	White Acid, 100 lb cby. wks. lb	1	.26
Acetic Anhydride	:	Carbonic, see Carbon Dioxida			White Acid, 10 cbys. wks Ib	:	.25
85-89%, 107 b cbys b	: .40	Chloracetic.			Hydrofluosilicie, 35% 450 lb bbls.		
90-95%, 100 m cbys	: .43	mono 100 lb bbls, wkslb		.25	wks lb		.12
C.P. 100 m cbys	: .80	Di. 150 lb ebys wks lb	:		Hypophosphorous, USP 30% 5		
Acetone, CP 700 lb drs. c/1 wks lb	.15 : .17	Tri. 425 m bbls, wks m		2.50	gal. demis	:	.85
700 lb drs. 1c/1 wks lb	.15%: .17%	Chlorosulfonic, 1500 lb drs,			USP, 10% 5 gal. demis' To	:	
350 lb drs. 1c1 wks lb	.16 : .18	wks	.15	.16	LACTIC, 22% dark 500 m bbls. 7b	.05 :	.0534
Second Hands, spot To	.161/2: .17	Chromic, USP 200 fb drums fb		.40	22% light bbls	.06	
Acetine, 100 gal. drums, Ib	: .35	85% Pure, 200 lb drums lb	:	.35	44% dark, bbls	.10%	
Acetone Olls, light, drs. wksgal	1.40 : 1.45	Chromotropic, 300 tb bblsfb	:	1.35	44% light, bbls D	.13 14	
Heavy, drs., wksgal	1.40 : 1.45	Chrysophanic, see Chrysarobin		1100	66% bbls, dark, bbls ID	.1614	
Acetphenetidin, 150 lb bbls lb	1.85 : 1.90	Cinnamic, 5 lb cans lb		3.93	66% light, bbls	.26	
Acetyl Chloride, 100 h cbys h	.40 : .41				USP IX 100 h cbysh		
ACID, 1, 2, 4, 250 lb bbls lb	: 1.30	Powd., USP, 200 lb bbls. lb	***		USP VIII 100 lb ebyslb		
Acetic, 28%, 400 m bblz., e/l		Imported, crys. 112 lb kegs. lb	.46				
wks100 m	: 3.12	Single kegs	.10		Laurent's, 250 m bbis	:	
28%, le/1 wks100 lb	: 3.37				Metanilie, 250 lb bbls lb	.60 :	.65
56%, c/l wks100 h	: 5.85	Cleves, 250 lb bbls		1.10	Mixed, sulfuric-nitric		
56%, le/1 wks100 lb	: 6.10	Cresylic, 95% dark dr. NYgal	.63		Drums, wks N Unit	.07%:	.08
70%, bbls, c/l wks100 lb	: T.20	97-99% pale, drs. NYgal	.65	.75	Drums, wks S Unit	.01	
70% le/1 wks100 lb	: T.45	Crude, spot, drumsgal	.55	.60	Tank cars. wks N Unit	.06%:	.07
80% coml. bbls, c/l wks.100 fb	: 8.19	Diethylbarbiturie, Dom., 25 lb lots,			Tank cars, wks 8 Unit	.009 :	.01
80% coml. le/l wks100 fb	: 8.44			12.00	Molybdic, 85% pure 100 h kem h	1.35	
80% pure bbls, e/1 wks.100 b	: 9.98	Imp. 10 h lotsh	3.50		100% C.P. 100 h keep h	2.00	
80% pure lc/l wiss100 fb	: 10.23	Formic 85% tech. 140 ft cbys. fb	.12%		Monogulfonie F. Delta, 50 D		
Glacial, bbls, c/l wks100 lb Glacial, lo/l wks100 lb	: 11.36	90%, 80 lb ebys. incalb	.18	.13%			
Glacial USP eby, wks100 fb	: 11.76	Gallie, USP, 150 fb bbls fb	:	.70	tins	***	2.20
Acetylsalicylic, 220 lb bblslb	.75 : .85	Gamma, 225 lb bbls, wks lb		1.50	MURIATIC, 20° cbys. 1c/1		
Second Hands	.75 : .77	Glycerophosphorie, 25% 1 L b. In	1.85		wks100 fb		: 1.75
Anthranilic, tech., dre Ib	: .94	H 225 lb bbls wks	.72		Ctys. c/l wks100 lb	1.20	
99-100%, 100 b drs b	: 1,00	Hydriodic, 10% USP 5 m bot, m	***	.75	Tank cars, wks100 lb	1.00	1.10
Bensole, tech. 100 h bbls h	: .75	Hydrobromic, 48% coml. 155 lb			18°, 120 lb cbys.		
Tech, ton loss bbls	: .70	cbys. wks fb	.35		c/l wks100 fb	1.00	1.10
USP. 100 m bbls	.75 : .85	48% coml. 10 cbys. wks fb	***		Tank cars, wksnet ton	:	
Second Hands	.70 : .74	40% USP 155 fb cbys. wks. fb	.45		22°, 120 m cbvs.		
Burie, crys. powd, 250 lb bbls. lb	: .091/4	10% USP 100 to chys. wks. fb	.11	.13	e/1 wks100 m	1.75	2.00
Kegs, 100 lb	.10 : .10%	Hydrochloric, see alse Acid Muriati			Iron, free 20° chrs.		
Broenner's 250 m bbls m	: 1.25	CP, USP, 110 lb cbys lb	.08	.11			
Butyric, 60% pure 5 lb bot lb	.40 : .50	HYDROFLUORIC, 30% 400 D bbl			Tank cars, wksnet ton	***	
C.P. 10 m bot	1.25 : 1.50	wks 10	***			***	
Camphoric, USP, VIII 170 bot. 70	5.90 : 6.00	30% bbls. e/1 wks	***		Muriatic, CP & USP, see Acid Hydr	rochlorie	
Carbolic, USP crys. see also Phenol		30% 100 lb cbys. wkslb	***		Naphthionic, tech. 250 lb bbls. lb		.62
11270 tins	.26 : .27	48% single 100 lb cbys. wks. lb			Refined, single btls ID		
25 m tins	.28 : .29	48% 10 cbys. wks					00
5 lb tins or bot	.30 : .32	52% 100 m chy. wks h			Nevile & Winther's, 250 D		
1 bet	.35 : .36	52% 10 cbys. wks		: .11	bbls	1.05	1.10

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ACID, NITRIC, 86º 185 B			ACID, Sulfurie ALCOHOL—(continued)
le/l ebys. wks100 fb	4.75	5.25	
Cbys. e/1 wks100 Pb		: 4.75	Drume a/l who 100 tor 1 to 1 supropyl, crude 50 gal. drsgal 2.25
38° le/l ebys. wks100 lb		: 5.75	Tank seem who met ten 17 00 . 10 00 Reilleu, 30 gal. UlSgal 4.00 : 4.50
Chys., c/l wks100 lb	5.00	: 5.25	Contract cars. wkston
40° le/l cbys. wks100 lb		: 6.00	Oleum, 40% drs lc/l wks net ton : 40.00 Methyl, see Alcohol, Wood
Cbys., e/1 wks100 fb		: 5.75	Oleron 6007, day le 0 mbs met
42° lc/l cbys., wks100 fb		: 6.75	ton 60 00 . 70 00 110991, mint. cru. 50 gat. urins.gat : 4,40
Cbys., e/l wkz100 lb	6.00		Sulfurous, USP 6% 100 lb cbys. lb .05 : .06 Refined, 16 lb cans lb : .75
C. P. cbys. single wks100 h	.13	.16	4% 100 lb cbys lb .04 : .05 Denatured
Oxalic, 300 fb bbls., wks fb	.09%	: .10	USP. 5 gal. demis
Bbls., NY	.09%	: .10	No. 1 Complete Denat. 188 Proof
Kegs, 100 b NY b	.10%		
Imp., 560 fb casks fb	.09%	.09%	
Phenylcinehominic, domestic, To	8.50		Tartaria TOD annet 200 % bbla %
Imported, 5 lbs	7.00	7.25	USP, powd. 300 lb bbls. lb 30 No. 1 Special Denat, 190 Proof
Phosphorie, 50% tech. 100 lb			Imp. USP, 240 m bbla m .27 : .2734 50 gal, bbl, inclgal .5534: .563
cbys 1D	.08	.00	Powd. 240 lb bbls lb .2714: .28 50 gal. drums, extragal .4834: .503
USP, Syrupy 85°, 70 h.			Webles OFOR this
demis	.16	.17	Tungstie, 100 m kers m
Imported	:		Valeric, C.P., 10 m bot b 2.50 : 2.75 50 gal. bbls, inclgal .54½: .55¾
Phthalic, see Phthalic Anhydride			E0 mg dmine codes mg 451/4 401
Pieramie, 300 m bbls m	:	.65	
Pierie, 450 h bblsh		.50	
Bbls. car lots wks	.20 :	.25	Adeps Lanae, hydrous 350 m bbls. m .15 : .21 50 gal. bbls, inclgal .53 1/2: .55 1/2
Pyrogallic, crys. 5 lb cans lb	1.25		Anhydrous, 350 lb bbls lb .18 : .23 50 gal. drums, extragal .46 4: .484
Resublimed, 5 fb cans fb	1.55 :		Albumen Egg, edible
Tech. powd., 200 b bbls b	:	.85	Blood
Salicylic, tech., 125 to tbls to	.32 :	.53	Vegetable
USP. 100 m bbls	:	.35	Technical, see Dyers Sundries tured alcohol, some 75 formulae for
Second Hands	.32 :		ALCOHOL, USP 190 pf. 50 gal. specially denatured alcohol are au-
Sulfanilic, 250 B bbls B	.16 :		bbls gal 4.83 : 4.91 thorized for special uses. Owing to
SULFURIC. 66º 180 D chrs.			Second Hands, bbls, USP 190 the limitations of their uses however,
lc/l wks100 m	1.35 :	1.75	pf prices are quoted by the alcohol
Chys., c/l wks100 lb	1.00 :		Export, USP, 190 pfgal .45 .83 producers only to holders of per-
1500 m Drums, le/l	:	1.35	Cologne Spirit, 50 gal. bbls.gal 4.90 : 5.00 mits allowing the use of specially
wks	:	1 05	W00D, see Methanol denatured formulae in products author-
Drums, e/1 wks100 fb	:		Alcohols also in 50 gal.
Tanks cars, wasnet ton		15.00	drums extra and returnable, Aloin, USP, 100 m cases, m .82 1/2: .85
60° 1500 lb Drums	14.00 .	10.00	inel see Oil Burst
le/1 wks100 m	.75 :	1.00	
Drums, c/1 wks100 lb		.75	Rutyl, 50 gal. Grume, wks. Ib: 32 Tank cars, wks Ib: 30 Refined Ib: 80
Tank cars, wksnet ton		10.00	Adding Control William 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
C. P. 175 lb ebys100 lb	08 :	.09	
			Refined, 10 ib can ib 2.00 : 2.50 Ton lots, bbls, wks ib : .35

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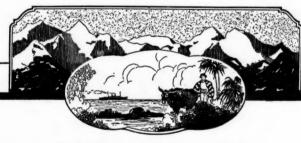
Acids Arsenic

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Empty Drums
Thomas Slag
Blue Vitriol
Caustic Soda
Phosphate Rock
Carbonate of Potash
Sodium Bicarbonate
Sodium Bicarbonate
Suphur

Caustic Potash
Nitrate of Soda
Phosphate Rock
Saltpeter
Caustic Potash
Soda
Phosphate Rock
Suphur

Powder Manufacturers' Supplies and Fertilizer
Materials of All Kinds

ALUM, Ammonia, lump 400 m bbls.		AMMONIA anhyd. 100 D cyl D	: .30	AMMONIUM-(Continued)		
wks	3.50 : 3.65	Water, 26° 800 m drs. wks m	: .06%	Persulfate, 112 lb caseslb	.35 :	.40
Imp., 500 lb casks 100 lb	:	Drs. c/l wks	: .061/4	Phosphate, dibasic 200 lb bbls. lb Tech., powd. 325 lb bbls lb	:	.38
Ground, 400 lb bbls. wks.100 lb	3.65 : 3.75	C.P., ebys	: .14	Phosphate, mono, 325 lb bl·ls, lb	:	.123
Powd. 380 lb bbls. wks.100 lb	3.90 : 4.00	Imp., 800 lb drs.incl.spot. lb 26° 100 lb cbys. lc/l wks. lb	.06%: .06%	Salicylate, USP 100 lb kegs lb	.70 :	.75
Chrome 500 lb cks. wks.100 lb	5.50 : 6.00	Cbys., e/l wks	.0714: .0814	Sulfate, bulk c/1 wks, 100 m	2.40 :	2.45
Potash, lump 400 lb bbls.	,	20°, 800 lb drs. le/l wks. lb	: .051/4	200 lb single bgs. c/1 wks.100 lb	2.50 :	2.55
wks 100 m	: 4.50	Cbys., le/1 wks	.06%: .07%	200 lb double bgs., f.a.s.100 lb	2.60 :	2.65
Bbls. c/l wks100 lb	: 4.25	18°, 800 m drs. le/l wks m	: .04%	Sulfocyanide, tech. 100 lb km. lb	.50 :	.60
Cont. bbls. c/l wks100 fb	: 4.25	Cbys., lc/l wks	: .05%	CF, 25 lb jars lb	.60 .	.70
Imp. 650 lb cases s.p 100 lb		16°, 800 lb drs. le/l wks lb	: .04%	Amyl Acetate, tech. 50 gal. drs.gal Refined, 50 gal. drumsgal	2.55 : 3.00 :	2.75 3.50
Ground, 400 lb bbls, wks.100 lb	4.35 : 4.60	Chys., le/l wks	: .05%	Alcohol, see Fusel til	0.00 .	0.00
Imp. 650 lb casks100 lb	: 3.00	Ammonium Acetate, 100 lb kegs. lb	: .37	ANILINE OIL, 900 D drs TD	.16 :	.17
Powd., 380 lb bbls. wks.100 lb		Benzoate, USP, 1 h both	.90 .95	Aniline Salt 200 D bbls D	.22 :	.23
Chrome, 700 lb cks wks.100 lb	5.50 : 6.00	Biffuoride, 300 b bbls	.22 : .23	Anthracene, 80-85%, 600 lb casks		
		100 lb kegslb	.23 : .24	wks	.80 :	.85
Soda grd. 400 lb bbls, wks.100 lb	: 4.00	Bromide, 50 lb boxes lb	.44 : .45	28-30%, Imp	.02 :	.023
Bbls. c/1 wks	: 3.50	Imported, 112 lb boxeslb	.29 : .31	Anthraquinone, subl. 125 lb bblslb	1.00 :	1.15
Aluminum, metal, e/1 NY100 b		Carb., tech. 560 lb caskslb	: .081/4	Antimony metal, slabs ton lots100 m	.087/8:	.09
Chloride, anhyd. 275 lb drs lb	.20 : .22	Powd., tech, 385 lb bbls. lb	: .09	Needle Powd., 100 lb caseslb	.071/2:	.093
Crystals, 375 lb bbls lb	: .061/		.12 : .13	ANTIMONY CHLORIDE, anhyd 1000 E	:	.35
30% sol. 120 h ebysh	.031/4: .04	Powd., 160 lb kegslb	.13 : .14	50 lb erocks lb	.45 :	.48
Hydrate 96% light 90 lb bbls. lb Heavy 62-64%, 220 lb bgs lb	.17 : .18	Chloride, Demestic		Sol'n, 130 lb carboys 33°lb	:	.06
400 lb bbls, wkslb		Willite, 200 to 1013, C/1 10	: .671/4	Oxide, 500 lb bblslb	.08 :	.083
SULFATE, Iron-free begg c/l		250 ft. bhls., le/1 wksfb	: .08	Salt. dom. 500 lb bbls lb	.24 :	.25
wks100 lb	2.25 : 2.40	Imp. wh. 250 lb casks spot. lb	.08 : .0814	Imp., NY	.18 :	.19
Imported, spot100 lb		Gray 250 lb bls, wks lb Bbls., c/l wks lb	.05 : .05%	Sulfuret, golden 500 lb bbls lb	:	.21
Comm'l., 14% iron, bgs. c/l		Imp. gray 250 lb caskslb	.0814: .0814	336 lb kegslb	:	.19
wks East 100 D	: 1.35	Lump, 500 lb casks spotlb	.12 : .13	Crimson, 500 D bbls D	:	.38
Cont. bgs. c/l wks. E.100 D	1.30 : 1.35	Ichthyolate, as to brand D	4.85 : 5.00	3361b kegs	*** :	.36
Bags, c/l wks. W100 lb Bbls., c/l wks. East.100 lb	: 1.30	Iodide, USP, 25 D jars D	; 5.20	Red, 500 lb bbls	::: :	.45
Bulk, c/l cont, wks. E.100 h		Lactate. 500 lb bblslb	.15 : .16	Tartrolactate, 500 lb bblslb	:	.45
Amidol, (see Diaminophenol)		Nitrate, tech, crys. 225 lb bbls. lb		Antipyrine, USP, 100 lb cases lb	2.05 :	2.10
Amidopyrine, Imp. 10 lb boxes lb	4.35 : 4.50	Refined Crystals, bbls 10	.21 : .23	Apomorphine Hydchlide, 34 cz. vls.oz		21.15
Domestic, 10 lb boxeslb		CP gran. 100 lb kegslb	.35 : .37	Areccline Hybromide, 1 oz. vial. oz		7.82
Aminoczobenzene, 110 lb kegslb		Oxalate, pure, 100 lb kegslb	.40 : .42	Argols, red powd. 350 lb bblslb		
Aminocooperacie, 110 lb Regslb	: 1.15) Ozniace, pure, 100 in kegsin	.40 : .42	Augus, ren powa. 350 m mmsm	.00	01



CHLORIDE OF LIME

Epsom Salts Glauber Salts Caustic Potash Sal Ammoniac Peroxide of Sodium Carbonate of Potash Carbon Tetrachloride Peroxide of Hydrogen Nitrite of Soda Sulfite of Soda Prussiate of Soda Bichromate of Soda

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Arsenic, metal, 220 h kegs lb				Benziidine Base, dry 250 m bbls. m: .80 SISMUTH-(Continued)	
Red, 224 lb kegs cases lb	.15	:	.151/2	Benzidine Sulfate, pasts 350 b Subfodide, 5 lb lots lb	4.65
White, 220 lb cases to 550 lb	0.0	9/ -	.0834	bbls lb .70 : .73 Subnitrate, USP, 250 lb bbls. lb	2.90
Asbestine	.07			Benzol, see Benzepe Second Hands, bbls. or less. ID:	
Aspirin, see Acid acetylsalicylic	10.00		10.00	Comes 1 h het	4.09
Atropine, Alk. USP, 1 og, vial oz	5.00	:	5.57	Benzonaphthol, 5 lb boxes lb 3.50 : 3.60 Subsalicylate, USP, 175 bbls lb	3.10
Sulfate, 5 oz. cansoz			2.75	Benzoyl Chloride, 500 lb drslb: 1.00 Tannate, 1 lb botlb	2.60
Single ounceoz		*	2.92	Benzyl Acetate, 100 m cbys m 1.55 : 1.75 above on basis 25 m lots.	-100
BARIUM BINGXIDE, see Barium diox	ide			Alcohol, 5 lb bot lb 1.45 : 1.55 Smaller lots at an advance.	
Carbonate, precip., 800 b bbls.					80.00
wkston					72 00
Precip., 200 lb bgs., wkston Imports. bbls., spotton			66.60 61.00		55.00
Chloride, 800 lb bbls, wkston			95.00		00.00
200 lb bgs, wkston			92.50	The state of the s	
	77.00	:	78.00	D	1.90
Dioxide, 83% 690 lb drs lb	.17	:	.18		2.60
Import, 86-88% 400 lb drs. lb		:	.15		2.30
Hydrate, 500 lb bbls	***	:	5.15	Sulfate, acid or neut. 1 lb bot. lb : 22.00 Imported, spot100 lb :	
Nitrate, 700 lb casks			.10	Rine Gintment are Mercury	
Import casks	.08	:	.0834	BETA-NAPHTHUL, 350 ID DDIS, WKS. ID : .26	
Sulfocyanide 400 lb bbls lb			.35	Carlots, wks.	
Barytes, floated 350 lb bbls wks.ton		:	26.00	Sublimed B .55 : .60	.06
Importedton			33.00		
Bay Rum. Porto Rican, genuine	20.00		00.00	Beta-Naphthylamine, tech. 200 lb Borax, USP, crys. 400 lb bbls. lb .05 : bbls	.05%
Medicated salleyl, acid or tartar	emetic			Francisco De Contrata de Contr	.05%
45 gal, bblsgal			1.25	Continued and the contract of	.18
Medicated quinine sulf. 45 gal.		-			
bblsgal	1.20	:	1.25	BISMUTH metal, 150 m cases m 2.50 : 2.65 Paste, bbls m .08 :	.10
Domestic synthetic, 50 gal.	-		* **		3.50
St. Thomas	.90		1.00	Ammon. Citrate. USP 5 th bra. th	
Medicated salicy, acid or tartar				Rromine, bot in 60 lb es, wks. Th	.39
emetic, 50 gal. bbls. gal	1.20	:	1.25		.43
Benzaldebyde, tech. 945 lb drs.				Citrate, USP 51b boxsb : 3.00 Bromoform, USP 51b bot 50 lb cs. lb :	1.65
wist	.70		.75	Nitrate, 25 lb jars lb : 2.00 Brucine Sulfate, 100 cms cm .15 :	.25
USP. 40 lb cbys	1.40	:	1.50		
FFC, 40 lb cbys	1.50		1.65	Phenolsulfonate, 5 lb cans, b 3.30 Butter of Antimony, see Antimony Caloride	
BENZENE, 90% 8000 gal, tanks				Salicylate. 250 bbls b : 1.95 CADMIUM, metal 100 lb bxs lb .95 : 1	1.00
wks		-	.23		1.20
110 gal. drs. wksgal			.28	Subcarbotate, CDI, 200 COM: . ID 5.40	4.45
Pure, Tanks, wksgal	***		.20		1.60
110 Bur me. American But		•		j burgasses, cur, area comessar as a 2.00 j bullion, ca. assessar 1.00 ; i	4.00

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CAFFEINE ALK, USP 5D cans D	3.50	: 8,75	CAMPHOR, Amer. ref: 250 D			Chalk, drop 175 m bbls m	:	.08%
Second Hands	3.40	: 8.45	bbls	:	.83	Precip. light 250 lb cskslb	.0414:	
Hydrochloride, 115 bot 15	6.05	: 6.55	2 1/2 lb slabs, 100 lb cs lb	:	.841/4	Precip. heavy 560 lb cskslb Bulkton	5.00	
Sulfate, 1 lb bot	5.40	: 5.90	1 lb cakes, 100 lb cs lb	:	.84%	Precip. English, 7 lb bags lb	:	
Citrated, 25 D cars D	2.90	: 3.10	1 oz tab., 1 lb etns.		0024		*** *	.0178
Hydrobromide, 1 lb bot lb	4.65	: 4.90	100 lb cs lb	:	.881/4	Wood, powd, 100 lb bbls lb	.04 :	.05
	-,		100 m cs	:	.89	Willow, powd. 100 lb bbls lb	.06 :	
CALCIUM Acetate, 150 lb bgs, c/l			Jap. ref., 21/2 m slabs. 100 m			China Clay, Dom., crudeton	6.00 :	8.00
100 D		: 3.00	cs	.70 :	.71	Washed & Groundton Imp., Filler Clayton		15.00
Arsenate, 100 lb bbls. c/l wks. lb	.09	: .10	1 oz. tab., 100 m cs. 1 m		00	Coatington		20.00
Bromide, 100 D D		: .50	tins	:	.88	Chloral Hydrate, USP 100 D drs. D	.75 :	
Carbide, 230 b dr. e/l wis b		: .04%	tins	:	.89	25 m jars	.83 :	
Drums, le/1 wiss		: .05	Chinese ref. 2 1/2 ID slabs 100 ID			Chinoidin, 140 lb drs	:	.55
Carbonate, tech. 100 lb bags			cs. Ib	:		Chloramine-T, 5 lb botlb	1.25 :	
c/1100 lb		: 1.10	Crude, 100 lb cs	.58 :	.60	Chloreceane, 5 b bot	.55 :	.75
USP, precip. 175 lb bhlslb	***	: .04	Campher, Monobrom., 100 h cs lb	1.75 :	1.85	Chlorhydrin, Ethylene anhyd, 600 h	.75 :	.85
Chloride, solid, 650 h drs. e/l			Caramel, 50 gal, bblsgal	:	.70	40% soln. 100 h cbys h	.25	
Imp. shipmentton	•••	: 24.50 : 23.00	Carbanol. 250 m bbls	:	.50	CHLORINE, Ligad 3000 D erl.		
Oran. 350 D drs. e/l f.o.b.		. 20.00	Carbon Risulfide, 500 D drsle/1 NY D	:	.06%	e/1 wiss	;	
NYtor		; 80.50	e/l drums, NY ID	:	.06	Tank car lots, wks. Contract. Ib	:	
Flake 380 B drs. c/l drs. f.o.b.	***	. 00.00	Carbon Black, 121/2 lb bags lb	.10 :	.12	100 m cyl. lc/l wks	.0614	
NYton		: 80.50	Carbon Dioxide, Liquid, 20-25cyl. To	:	.06	100 D cyl. lc/l ex-warehouse D	.08 :	
Ankrd., 350 lb drs. f.o.b. NY. lb	.13	: .20	Carbon Tetrachloride, 1400 lb drs.			Chlorobenzene, mono. 1000 lb drs.		
Giroscophosphate, 250 lb bbls lb		: 1.60	NY	.06%:	.08%	wks	.10 :	
Hydrate, (see Lime)	1.00		Drums, c/1 NY	:	.0634	Drs. c/l wks	.08 :	
	**		700 lb drs. single NY lb	.07 :	.071/2			.35
Hypophosphite, USP, 25 lb cans lb	.60	: .65	Carmine, No. 40 5 lb boxes lb	4.75 :	4.85	Second Hands, 650 m drsm	.33	.34
Iodide, 5 lb bot	***	: 4.40	Casein, edib., 100 lb keg lb	:	.45	Technical, 650 lb drums lb	.32 :	.33
Lactate, tech. 500 m bbls m	***	: .13%	Technical, 200 m bbls m	.10%:	.111/	Chlorophyll, Oil Sol	2.50 :	
U.S.P	.50	: .60	Castoreum, 1 b boxes	4.00 :	4.50	Water Sol Ib	8.75 :	4.00
Nitrate, 220 D bbls, c/l NY.ton	***	: 40.00	Castor Oil, USP 50 gal. bbls Ib		.17	Chromium Acetate, 20° soln. 400 lb		
Phosphate, tech. 350 lb bbls. lb	.09	: .10	Cases, 80 lb 2 tins lb	:	.18	bbls	.07	.08
Phosphate, precip. tribasic 200			Tech. see Fixed Oils			Boln. 400 m bbls	:	
In bbis, wis	.11	: .14	Caustic Potash, see potash, caustic Soda, see soda, caustic			Chrysarobin, USP, 5 lb cans lb	4.50 :	5.00
Phosphate, meno, 325 lb bbls. lb	.55	-	Cellulose Acetate, 100 h cases h	1.75 :	2.00	Cinchonidir slk., pwd. 100 oz. tineoz	:	.60
Sulfocarbolate, 100 lb kegs lb	.00	: .57	Cerium Oxalate, USP 100 b kegs. b	.35 :	.38	Sulfate, 100oz, tirsoz	***	.65
Calomel, see Mercury			Certain diame, Our 100m hegs. to	.00 .				

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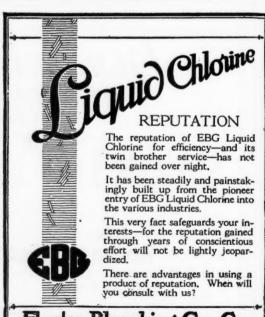
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Cinchonine alk., pwd. 100oz. tinsoz		: .38	COPPER metal electrolytic c/1		Diethyl Sulfate tech. 50gal. drs. h			.25
Crystaloz		: .43	NY		CP drums	.40		.50
Sulfate, 100 oz. tinsoz		: .25	Lake, c/1 NY 100 lb Casting, c/1 NY 100 lb	: 13.12	Digitalin, Pure, 1 ca. vialca.			
Citrine Ointment, see Mercury			Carbonate, 400 lb bbls lb	.16 : .16%	Dimethylamiline, 840 lb drs. wks. lb	.35	:	.36
Coal Tar, See Tars			Chloride, 250 m bbls	: .28	Dimethylsulfate, 100 h drs lb		:	.50
Cobalt metal, 100 lb kegslb		: 3.00	Cyanide, 100 lb drs	.45 : .46	Dinitrobenzene, 400 m bbls m	.16	:	.17
Cobalt Oxide, 500 lb bblslb		: 2.10	Oxide, red 1000 th blbs, ton lots th	.16%: 5.65	Dinitrochlorobenzene, 400 m bbls. m	.18	:	.19
10 lb tins, 200 lb caseslb		2.45	Sub-Acetate, verd. 440 D bbls, D	.23 : .28	Dinitronaphthalene, 350 m bbls. m	.32	:	.34
					Dinitrophenol, 350 lb bbls lb		:	.40
COCAINE alk., USP, 1 oz. vialoz Hydrochloride, USP-1 oz. vials.	•••	: 10.00	SULFATE, crys. 450 m bbis. lc/l	4.65 : 4.90	Dinitrotoluene, 300 m bbls m	.18		.19
25 08802		: 7.07	Carlots, bbis., f.o.b.NY.100 lb	4.50 : 4.65	Dionin, see Morrhire, Ethyl	120	•	
In 1/4 on vialsos		: 7.50	Carlots, bbls. delivered, 100 lb	4.75 : 4.90	Diphenylamine, 250 lb bbls Ib	40	:	
In crystals, granular, powder,			Imp. 550 lb esks spot100 lb	4.35 : 4.40				
or flaky crystals as desired.			Powdered, 350 lb 5 bblslb	5.50 : 5.75	Diphenylguanidine, 170 lb bbls fb			
Cocoa Butter, bulk, 200 h bales. h	.26	: .261/	Copperas, bulk e/l wkston		Dover's Powder, USP 5 fb time fb			
Fingers, cakes, etc. 12 h bxs h	.31	: .33	200 lb bgs, c/l wkston 400 lb bbls. c/l wkston		Duboisine Sulfate, 1 oz. vialon	***	: 30	0.07
CODEINE, alk., 1 oz. vis. 10 oz.			Powdered, bbls 100 lb	1.90 : 2.00	EARTH, Diatomaceous, see Kieselguhr			
lots		: 9.27	Sugar, 400 lb bbls100 lb	1.25 : 1.35	Emetine alk,, 15 gr. visea		: 1	1.30
Hydrobromide, 1 ca. vls, 10 cs.	•••		Corn Syrup, 42 deg. 50 gal.		Hydehlide, USP 1 oz. vialoz	17.00	: 17	7.50
lotsos		: 7.42	bbls	: 4.26	15 gr. vialsea		:	.75
Hydrochloride, 1 oz. vls. 10 oz.			43 deg. 50 gal. bbls100 lb	: 4.31	EPSOM SALT, tech. 300 b bbls.			
lots		: 8.27	44 deg. 50 gal. bbls100 lb 45 deg. 50 gal. bbls100 lb	: 4.38	NY100 D			2.15
Nitrate, 1 oz. vls. 10 oz. lots.oz		: 8,27	Corn Sugar, see Glucose	1.10	Bbls. c/l NY100 m			2.00
Phosphate, 1 os. vls, 10 os.			Cotton Soluble, 100 D bbls, wet, D	.40 : .42	100 lb bgs., c/l NY100 lb Imp., 220 lb bgs. e/l	1.70	: 1	1.75.
lots		: 6.97	Coumarin, 25 lb tims lb	3.25 : 3.45	NY		. 1	1.40
			Second Hands	3.25 : 3.30	USP, 300 m bbls, 10 bbls. 100 m			2.50
Salicylate, 1 oz. vls, 10 ca, lotsoz		: 6.97	CREAM TARTAR, USP. 300 D		Carlots, bbls100 lb	2.10		2.15
Sulfate, 1 oz. vls. 10 oz. lots.oz		: 7.42	bbls	.2114: .2114	1000 1 1000			2.00-
Ome11 Class 1/ as at-1- FO-			Imp. powd. USP, 224 bblsIb	.20 : .201/		• • •	-	2.25
Small Sizes, % oz. vials, 50c % oz. 30c extra, singles 7c			Creosote, USP, 42 lb cbys lb	.42 : .45	Ergotin, Bonjean, 1 D jars D	6.00		6.35
per ou.—25 oz. lots, 10c oz. el			Carbonate, 1 lb bot. 25 lb lb	1.70 : 1.80	Eserine alk., 1 oz. vialoz			4.07
than above. Lees than 10 ozs. 15			Creosote Oil, 50 gal. drsgal	.26 : .30	Salicylate, USP 1 oz. vialoz Sulfate, USP VIII, 1 oz. vial.oz	***	: 16	
higher than above.			Cresol, USP, 400 m drums m	.22 : .23				
COD LIVER OIL, Norwegian, 30 gal.			Cyanamide, bulk c/l wks. Amm.unit		Anaesthesia, 55 lb drumslb	***		.13
bblsbbl 2	21.00	: 22.50	DIAMINOPHENOL, 100 m kegs m	4.00 : 4.50	USP, 1880 55 lb drumslb			.40
Newfoundland, 30 gal, bblsbbl		:	Dianisidine, 100 lb kegs lb	4.00 : 4.50	Washed, 55 lb drumslb		:	.32
Colchicine alk USP 1 oz, vial., oz		: 15.07	Diethylaniline, 850 m drs	.58 : .65	Motor, 1 lb cans	.24	:	.21
Salicylate, 1 oz. vialoz		: 15.07	Diethyl Phthalate, 25 lb cans lb	.50 : .55	Ether, Nitrous, 1 lb bot lb	.92	:	.95
Collodion USP 30 to drums To			1000 lb drs lb	.40 : .45	Ethyl Bensyl Aniline, 300 lb drs. lb			1.35



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					_			
Ethyl Acetate, 99%, 50 gal. drs.gal	1,15		Gelatin, USP silver lbl. 100 b cs. h	.78 :	.62	Hydrastinine Hydchlide, USP 15 gr.		
85% Ester, 100 gal. drs. gal		: .95	Gold Label, 100 h casesh	1		vialsvial		: 1.60
Carlots, drumsgal		: .92	Technical, 100 to cs Ib	.60 :	.65	Hydrazobenzene 100 lb kegslb		:
Tanks Carsgal		: .90	GLAUBER'S SALT, tech. 200 m bag			HYDROGEN PEROXIDE, 25vol. 400 D		
Refined, drumsgal	1.77	: 1.90	le/l wks100 D	1.15 :	1.25	bbls		: .10
Bromide 115 lb drulb	***	: .40	350 lb bbls. c/l wks100 lb	:	1.25	100 vol. 145 lb cbss lb	.36	: .38
Chloride, 15 lb cyl		: .35	Bbls. lc/l wks	1.30 :	1.65	USP Solp. 375 m bbls m		: .05%
Methyl Ketone, 50 gal, drums, ID	.25		Imported, bbls., spot100 fb	.85 :		100 vol. 145 lb ebys lb		: .48
Morphine, see Morphine, Ethyl .			USP. 300 h bbla. Imp. sp., 100 h	:		USP bot. 4 os. casesgross	8.00	: 8.25
			USP, 300 fb bbls. dom. sp. 100 fb	:		Bot. 8 cg. casesgross		: 12.00
Ethylene Bromide, 600 B drs B	***		USP. 300 m btls. e/l wks.100 m	:		Bot. 16 os. casesgross		: 20.00
Glycol		: 1.00	Calcined, see Sodium Sulfate	• • • •	1.40	Bydroquinone, 100 lb kegs lb	1.40	: 1.60
Chlorhydrin, anhyd. 50 gal drs. Ib	.75	: .85	Glucose, (Grape Sugar) dry, 100			Hydroline Hydrobrom, USP 1 es.	1.40	. 1.00
40% Solution, 50 gal. bbls. D	.25		70° bags, c/l NY100 fb	4.00 .	4.54			: 9.57
Dichloride, 50 gal. drs Ib	.20	: .25		4.29 :		vial		
Ethylideneaniline		: .70	Syrup, Drs. & bbls, c/l NY100 fb	4.26 :	4.45	Five ons., 1 oz. vialsos		: 9.00
Eucalyptol, 25 h camsh	.75	: .80	le/1 NY100 lb	4.36 :	4.55	Hyoscyamine Alk. Cryst., 1 oz. vial.os		: 20.07
Feldspar, bulkton	20.00	: 25.00	GLUE, pure white, bbls	.22 :	.26	Alkaloid, Amorphous, 1 cs. vial.cs	***	: 75.07
FERRIC CHLORIDE, tech. crys.			Medium white, bbls	.20 :		Hydrobromide, USP 1 on vialon		: 25.0T
475 lb bbls lb		: .07	French, bbls Ib	.18 :	.25	Sulfate, 1 oz. vialos		: 20.07
Imported		: .06%	High Grade, bbls Ib	.35 :	40	INDOL, C. P., 1 os. botos	6.00	: 6.50
USP, crys. 100 lb kegslb			Bone, regular, bbis	.10 :	.12	Iodides, see Potass. Iodide, etc.		
Imported			Fish, bbls gal	1.50 :	1.75	IODINE, crude, 200 lb kegs lb		: 3.79
Next. Sol'n 40° 140 D chrs D			GLYCERIN, C. P. 550 D drums. To	.17%:	.18	Resubitmed, 10 lb jars lb		: 4.40
48°, 140 chr		: .08	Cans, 50 lb(lb	.19 :	.20	Tincture, USP, 50 gal. bblsgal		: 4.25
			Dynamite, 100 lb drs	.161/2:	.16%	Carboys Ib	4.30	: 4.40
DSP Sol'n 125 b elgs b		: .05%	Saponification, tanks Ib	.12 :	.1214	Iodoform, powd, 10 lb bot, lb		: 5.25
Ferrous Chloride, crys. tech.		: .06%	Soap, Lye tanks ID	.11 :	1136	Crystals, 10 D bot		: 6.25
475 m bbls m	.06		Goa Powder, see chrysarobin			Iridium, metal 100z lotsoz		:260.00
Ferrous Sulfide, 1000 lb bbls.100 lb	2.50	: 3.00	Graphite, crude 220 lb bagston	15.00 .	85.00	Iron, metal by hydrogen 1 lb bot, lb	.80	: 1.00
Flake White, see lead, white			Flake, 500 m bbls	.05 :		IRON & AMM. GITRATE, UKP 25 D	.00	. 1.00
Fluorypar, 95% 220 h bgs. ex-			Ground, lump, bbls	.04	.05	cans		: .79
dockton		: 25.00	Guaiscol liquid, USP, 25 D cans. D	2.35 :		Green scales, 25 lb cans lb	***	
96% bgston		: 33.50	Bennoate, 1 lb bot		18.00	Cacodylate, 10 B bot	6.50	6.75
98% bgston		: 35.00	Carbonate, 5 lb boxes lb	4.60 :		Citrate, USP VIII 25 lb cans lb		: 1.01
FORMALDEHYDE, USP 400 to bbls.			Second Hands	3.60 :				. 1.01
e/1 wks		: .09	HAARLEM DIL, Dom. 6 gr. cs. gross			Chloride, see ferrie or ferrous		
Carboye, 100 lb 1c/1 wkg, lb	***					Hypophosphite, 5 lb cams b	1.50	: 1.60
Bbls., 400 m 1c/1 wks m	.093		Imported, 5 gr. casesgross	4.00 :		Syrup, USP VIII	***	: .30
Second Hands	.09		Halasone, 5 lb bot	2.75 :	3.25	Iodide, 1 lb bot		: 4.38
Fosti Flour D			Hezamethylenetetramine, USP			Syrup, USP, 5 lb botlb	.35	: .36
Formaniline		: .50	100 lb drums lb	.75 :	·1136	Nitrate, kegs	.09	: .10
Fuller's Earth, 200 b bgs. c/l			Imported	.65 :	.67	Com'l, bbls10070	2.75	: 3.25
mineston	15.00	: 17.00	Rubber Makers, Impalp. Pd.			Oxalate scales 25 lb cans lb	.85	
Imported, 230 m bess NYton		: 40.00	drs	.821/6:	.85	Oxide red, Spanish	.033	
			Homatropine Hydrobrom. USP 1 cs.			& Ammon. Oxalate 25 lb bxs. lb	.43	
Furfural. 300 b bbls	.25	: .30	vial	:	14.5T	& Potassium Oxalate, 25 lb brs. lb	.45	
Fusel Oil, refined, 50 gal. drmgal		: 3.25	Five ons., 1 on vialscu	:	13.50	& Sodium Oxalate, 25 D bm D	.41	: .43
Crude, 50 gal. drumgal	1.85	: 2.00	Hydrastine Alk., UHP, 1 oz. vial.o	s 14.00	:14.57	Phosphate, I'SP 25 h cans h	.79	: .81
& SALT, paste 350 % bbla. baste			Hydehlide, USP, 1 on. vial on		14 57	Decemberhate FRP 25 m		
100% ID	.60	: .65	Sulfate, 1 cm. vialcs		16 07	eans	.84	: .86

The

Norvell Chemical Corporation

Acid Benzoic
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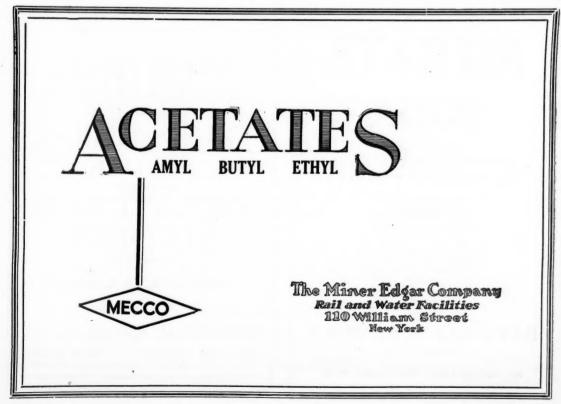
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					_			*
Powd. tins	3.25	: 3.35	Linalcol, 51b bot	6.25 : 6.75	Manganese—(continued)			
		: 3.50	Litharge, see lead oxide		Glycerophosphate, 51b tins 1b		:	3.10
Kapoc, 200 lb double bales lb	.25	: .26	Lithium Carb. USP, 100 lb kgs lb	1.50 : 1.60	Hypophos. USP VIII 5 m cans. h			1.40
KIESELGUHR, 95 lb bags NYton	60.00	: 70.00	Bromide, 100 b cs	1.75 : 1.85	Iodide, 1 lb bot			
LANGLIN, see Adeps Lanae			Citrate, USP, 100 lb kegslb Iodide, 5 lb botlb	1.70 : 1.75				
LEAD, metal c/l NY100 b	7.50	: 7.75	Lithopone, 400 lb bbls, lc/l wks. lb	: 7.50	Ore, bulk, NY			
Acetate, white crystals 500 lb			Bbls. c/l wks	: .06%	Sulfate, 600 lb casks NY lb			.08
bbls. wks	• • •		Bags, c/l wks	: .061/8	Marble Flour, bulkton	10.00	:	12.00
White, broken, bhis, wks. 100 lb	• • •	: .15	Imported, 400 m bbls m	.05%: .06	See also Calcium Carbonate			
White, gran, bels., wks. 100 lb		: 14.15	Litmus Cubes	.90 : 1.00	MENTHOL HER COM ACCES TO			10 75
White, powd., bbls, wks.100 lb		: 15.25	Luminal, see Phenylethylmalonylurea		MENTHOL, USP, 60 lb caseslb Less cases, 5 lb tinslb			10.75
Kegs, whs			MAGNESITE, crudetop	: 15.00	Domestic, USP, 60 lb caseslb			11.25
Brown, bruken, bbls, wks ib			Calcined, 500 m bblston	: 55.00				
USP, 100 h kegsh			Magnesium mtl., sticks 100 D cs. D	1.25 : 1.80	MERCURY, metal 75 D flask flask			
Amenate, 100 m bbls. le/l wks. m	.21		Carb, tech. 70 lb bags NY lb	.08 : .0834	Less Flasks, 5 lb jugslb			
Bbla e/l wks	.19	: .20	75 lb bbls, NY	.09%: .10%	Bichloride, cryst. 25 lb buslb			1.13
Paste, 100 & 600 m bbls m		: .15	USP, 60 lb bbls	.12 : .14	Gran. powd., 200 lb kegs lb		:	.98
Iedide, UEP VIII 5 lb bot lb	3.20	: 3.40	USP, blocks 100 lb cs. 1, 2, 4		Bisulfate, 25 lb boxeslb		:	.98
Nitrate, 500 lb bbls. wks lb		: .12	025	.19 : .23	Blue Mass, 25 lb boxeslb			.66
Cable, littinge, 500 m bbls m			Chloride, fused 575 lb drs. e/l		Powdered, 25 lb boxes lb			
100 lb kegs, wkslb			wks ton	: 34.00	Blue Ointment, USP 25 D cans		-	
Oxide, red 500 lb bbls, wks lb			Flaked, 350 lb drs. whs e/Lton	: 36.00	50%	•••		.81
100 fb kegs, wks		: .14%	Imp., fused 900 lb bbls NY.ton	26.00 : 28.00				
Perexide, 100 lb drs lb White, basic earb. 500 lb bbls.	.25	: .30	Fluosilicate, crystals 400 m bbls.		USP, dilute 25 lb cams 30%. lb	***		.61
when			wks	.12 : .15	331/3% Mercury			.69
Bbis. c/l wks	***	: .09%	30% soln. 500 m bbls. wks. m	.07 : .07%	Calomel, 50 lb bxs			1.22
100 fb kegs wks			Soln. bbls. c/l wks ID	: .06	Citrine Ointment 25 lb jars lb			.51
White, sulfate 500 lb bbls, wks. lb	• • • •	: .091/4	Glycerophosphate, 5 lb tins lb		Iodide, green 25 lb jars lb		:	4.10
Bbls, c/l wks		.091/4			Red, USP 25 lb jars lb		:	4.20
Licorice Ext. Mass, cases ID	.25		Hypophosphite, 5 lb canslb	: 1.05	Yellow, USP VIII 25 lb jars, lb		:	4.10
Compound powder, bbis Ib	.11		Oxide, USP light 100 lb bbls lb	: .42	Oxide, Yellow, USP, 25 lb. bxs lb		:	1.68
Powdered	.38		USP, heavy 250 lb bblslb	: .50	Red Precip. USP, 25 lb bxslb		:	1.88
Sticks, 1 os. 100 m cases m	.45		Peroxide, 5 lb cams	: 2.40	Powder, USP 25 lb bxslb			
LIME (Salts, see Calcium Salts)			Perborate, 1 lb tins lb	: 2.62				
Live, 325 lb bbls. ton lots, wks. lb		: .0114	Salicylate, 100 lb kegs lb	.70 : .75	White Precip. USP 25 lb bxs lb			
Single bbl. wim			Sulfate, see Epsom Salts		Powdered, USP 25 lb bxslb With chalk, USP 25 lb bxslb			1.39
Hydrated, 167 m bbl, ton lots,			Manganese Chloride, 600 lb csk.			***		
wks		: .011/4	NY	.09%: .10	Meta-Nitraniline	.78		.80
Single bbl. wks		: .01%	Borate, 30%, 200 lb bbls lb	: .24	Meta-Nitro-para-Toluidine, 300 D			
Oyster Shell, 150 lb bbl. single. lb		: .031/4	100 lb kegs	: .25	bbls ID		:	2.20
125 m bag		: .081/4	Dioxide, 80-84% 900 m bbln.		Meta-Phenylenediamine, 300 B			
Sulfur, dry 200 lb drs. NY lb		: .081/4	NYton		bbls 1D	.90	:	.95
Drs. e/l NY		: .08	85-90%, 900 lb bbls. NY. ton		Meta-Toluylenediamine, 300 B			
33° Soln. 50 gal, bbls, NY.gal	.15	: .16	Hydrated, precip, 100 lb kg. lb	.15 : .20	bbls1D	.82		.85



METHANOL (Wood Alcohol)				Musk Ambrette, 1 D cans D	15.00		10.00	Ortho-Toludine, 350 lb bbls lb	.13	-	.15
95%, tanksgal			.67		10.00		10.00				
Brums, c/lgal	***		.10	NAPHTHA, Solvent, 110 gal. drs.				Oxgall, USP, 5 h hoth	3.00	:	3,00
Drums, le/lgal			.72	wksgal	.30		.31	Purified, 5 lb bot	1.50		2.50
97% tanksgal		:	.69	8000 gal. tank cars wksgal		:	.26	Crude, 5 b bot	.80		1.25
Drums, e/lgal			.72	NAPHTHALENE, Flake, 175 bbls.				PALLADIUM, metal 10 oz. lotscs	75.00	:	76.00
Drums, lc/lgal			.74	wics		*	.051/4	Pancreatin, USP 51b bot 1b	1.25		1.40
Pure, Acetone free, tksgal			.75	Bbls., c/1 wks	***		.05				
Drums, c/lgal			.77	Bbls., second hands NY Ib		:		Papain, 10 h bot. USP, Powdh	2.15	:	2.25
Drums, lc/lgal		:	.80	Balls, 250 lb bbls, wks lb			.06	Crude, 150 D cases D	1.80	:	1.85
Shia incl. 5e higher	•••	•		Bbls., c/1 wks			.051/4	Paraffin, ref'd 200 lb cs. slabe			
Methyl Acetone, 100 gal, drums.gal	.75		.80	Bbls., second hands NY Ib	.05		.06	123-127 Deg. M. P	.051	4:	.06
Tanks, carsgal	.70		.75	Crushed, chipped, bgs., wks Ib	.04			128-132 Deg. M. P	.053	4:	.063
Chloride, 90 D cyl			.50	Crude, imp., bags				133-137 Deg. M. P	.063	4:	.01
Salicylate, USP, 50 lb cases lb			.47	Nickel Metal, electrolytic 100 lb	.02	76 .	.00	138-140 Deg. M. P D	.073		.013
500 m drums	• • •		.45				.30	Para-Aminoacetanilid, 100 B			
Second Hands, cases Ib	.44	:	.45	Ingot, 100 lb kegs	***		.32	kegs	1.10	:	1.15
		:			.29	:					
Methylene Blue, tech. 100 h kgs. h	1.25		1.50	Salt, single 400 lb bbls, NY. lb	.11	:	.12	Para-Aminopheniol, 100 ft kegs Ib	1.15	:	1.25
USP, medicinal 5 h cans h	2.00		2.30	Double, 400 m bbls, NYm	.10			Hydrochloride, 100 lb keg lb	1.35	:	1.40
Michler's Ketone, 225 h bbls h	***	:	3.75	Oxide, 100 h kegs NYh	.40	:		Para-Dichlorbenzene, 150 h bbls,			
Milk, powd. 150 b bbla b	.14	:	.15	Sulfate, 450 fb bblsfb	***	:		wks	.17	:	.20
Milk Sugar, see sugar of milk				Nicotine, Free 40%, 8 h tins h	1.35	:		25-50 lb kegs	.18		.22
Mineral Oil, see oil mineral		- 1	** **	Sulfate, 10 m tine, 40%m	1.05	:		Paraldehyde, 100 gal. drs Ib			.48
Mineral Rubberton				Nitre Cake, bulk wkston			6.00	Paraformaldehyde, USP 100 b cs. ID	.423		.45
Monoacetine, 100 gal. drums lb		:	.50	500 lb bblston	13.00	:	14.00	Para-Nitroacetanilid, 300 lb	,		
Monochlorobenzene, see eblorobenzene				Nitrobenzene, crude, 1000 lb drs.				bbls	.55		.60
Monoethylaniline, 900 m drs m	1.25	:	1.50	wks	.09		.09%	PARA-NITROANILINE, 300 m bbls.			
Monomethyl paramidophenol sulfate				Redistilled, 1000 lb drs. wks. lb	.09			wks. ton	.68	:	.73
100 lb drs	3.95		4.20	Nitronaphthalene, 550 lb bblslb	.20	:	.21	Para-Nitrochlorobenzene, 1200 lb dra.	.00		
MORPHINE Sulfate, USP 5 ox. time				Nitrotoluene, mixed 1000 D drs.				wks	.20		.30
10 06			6.95	wks	.14		.15			•	.00
Acetate, 5 cm. time 10 cm. lots. sou		*	6.95	Ochre		:	.03 1/2	Para-Nitro-ortho-Toluidine, 300 m			
Hydrobromide, 5 cm, time 10 cm.				Cil Fusel, see Fusel Oil				bbls			2.85
lots		:	6.95	OIL MINERAL, wh. 50 gal. bbls.gal	1.00	:	1.25	Para-Nitrophenol, 185 b bbls b	.68		.70
Hydehlide, 5 cm. tine 10 cm.				011 Mirbane, see nitrobensene				Para-Nitrosodimethylaniline, 120 h			
lots		:	6.95	Oplum, see crude drugs				bbls		:	.95
Diacetyl Alk., 1/8 on. vls. 10				Orange Mineral, 800 lb casks NY. lb		:	.141/4	Para-Nitrotoluene, 350 m bbls m			.47
08		:	10.75	500 lb bbls. NY		:	.141/2	Para-oxy Benzaldehyde, 100 lb			
Hydehlide, 1/4 on. vls. 10 ca.oz		:	9.75	Ortho-Aminophenol, 50 lb kegs lb	2.40		2.50	kegs	1.50	:	1.60
Ethyl Hydchlide, 1/2 oz. vls. 10				Ortho-Anisidine, 100 lb drs lb			3.00	Para-Phenetidin, 500 m drs m			1.80
20		: :	10.95	Ortho-Dichlorobenmene, 1000 lb drs.				Para-Phenylenediamine, 350 lb			
Small Sizes: 1/8 on. vials, 50e	extra;			wks	.06	:	.08	bbls ID	1.35	:	1.40
%s 25c extra; single on via.,				Ortho-Nitrochlorobenzene, 1200 B				Para-Toluene-Sulfonamide, 175 h		-	
tra, over price for 5 cg. tins. 2	25 OE.			drs. wks In	.35	:	.40	bbls	.40	2	.41
lots in 5 on time, 10c on lower	than			Ortho-Nitrophenol, 350 B B		:	1.00	Para-Toluene-Sulfonchloride, 410 h			
above schedule. Less than 10 or				Ortho-Nitrotoluene, 1000 lb drs.				bbls, wks	.13	:	.30
15c os. higher than above sched				wks	.10	:	.11	Para-Toluidine, 350 lb bbls, wks. lb	.80		.85
									.00	•	

NITRATE SODA

DOUBLE REFINED CRYSTALS GRANULATED OR POWDERED



BATTELLE & RENWICK

Estb. 1840

Manufacturers

Incp. 1982

80 Maiden Lane, New York, N. Y.

WHITING

DOMESTIC and IMPORTED

GAS CARBON BLACK

DENATURED ALCOHOL

SPOT STOCKS CARRIED

INDUSTRIAL CHEMICAL CO. 200 Fifth Avenue NEW YORK

.25 .32 .34 .36 .39 .02 .02 .03 .04 .07 .09 .12 .04	2.50 .03 .04 .05 .07 14	Piperazine Hydrate, 1 m bot	1.10 : 1.25 24.00 : 26.00 : 3.30 : 4.50 :118.00 5.75 : 6.00 5.65 : 5.70	Chlorate, crys. 112 lb kgs. e/l wks. Imp. 112 lb kegs NY lb Powd., 112 lb kegs wks lb Imp., kegs NY lb Pyrotechnie, fine powd. NY. lb USP, fine crys. 110 lb kegs NY lb Citrate, USP 10 lb caus lb Cyanide 110 lb cause lb	.08%:	.089 .069 .07 .083
.34 .36 .39 .25 .02¼: .03¼: .04% .07 .09 .12%	2.50 .03 .04 .05 .07 14 .09 14	Pitch, Coal-Tar, wkston Plaster Paris, tech 250 m bbls.bbl True Dental, 300 bblsbbl Platinum, metal soft 10 oz. lotsoz Podophyllin, 5 m bot	24.00 : 26.00 : 3.30 : 4.50 :118.00 5.75 : 6.00 5.65 : 5.70	wks. B Imp. 112 bk kegs NY b Powd., 112 bk kegs wks. b Imp., kegs NY b Pyrotechnie, fine powd. NY b USP, fine crys. 110 bk kegs NY b Citrate, USP 10 bb caus. bb	.081/4:	.069 .07 .083
.36 .39 .25 .02¼ .03¼ .04% .07 .09 .12½	2.50 .03 .04 .05 .07 14 .09 14	Plaster Paris, tech 250 m bbls.bbl True Dental, 300 bblsbbl Platinum, metal soft 10 cs. lotscs Podophyllin, 5 m botm Second Hands	: 3.30 : 4.50 : :118.00 5.75: 6.00 5.65: 5.70	Powd., 112 lb kegs wks lb Imp., kegs NY lb Protechnic, fine powd. NY lb USP, fine crys. 110 lb kegs NY lb Citrate, USP 10 lb cans lb	.081/4:	.09
.39 2.25 .02¼: .03¼: .04%: .07 .09	.43 2.50 .03 .04 .05 .071/4	True Dental, 300 bblsbbl Platinum, metal soft 10 os. lotsoz Podophyllin, 5 lb botlb Second Handslb POTASH, CAUSTIC, solid 88-92% 700 lb drs. wkslb	: 4.50 :118.00 5.75 : 6.00 5.65 : 5.70	Imp., kegs NY lb Pyrotechnic, fine powd. NY lb USP, fine crys. 110 lb kegs NY lb Citrate, USP 10 lb cams lb	.08 :	.08
2.25 .02¼: .03¼: .04%: .07	2.50 .03 .04 .05 .07 1/4	Platinum, metal soft 10 oz. lotsoz Podophyllin, 5 lb botlb Second Handslb POTASH, CAUSTIC, solid 88-92% 700 lb drs. wkslb	5.75 : 6.00 5.65 : 5.70	Pyrotechnic, fine powd. NY Ib USP, fine crys. 110 lb kegs NY	.08 :	.08
.0214: .0314: .0414: .07: .09: .1214:	.03 .04 .05 .07 14 .09 14	Podophyllin, 5 lb bot lb Second Hands lb POTASH, GAUSTIC, solid 88-92% 700 lb drs. wks lb	5.75 : 6.00 5.65 : 5.70	USP, fine crys. 110 b kegs NY	.08 :	.09
.0214: .0314: .0414: .07: .09: .1214:	.03 .04 .05 .07 14 .09 14	Podophyllin, 5 lb bot lb Second Hands lb POTASH, GAUSTIC, solid 88-92% 700 lb drs. wks lb	5.75 : 6.00 5.65 : 5.70	NY		
.03 14: .04 14: .07: .09: .12 14:	.04 .05 .0714 .0914	Second Hands	5.65 : 5.70	Citrate, USP 10 m cams m		
.04%: .07: .09:	.05 .07 14 .09 14	POTASH, CAUSTIC, solid 88-92% 700 b drs. wksb			.63 :	
.09 :	.0914	700 lb drs. wkslb		Cyanide 110 h cases h		
.121/4:					:	.65
-	.13		: .071/2	Glycerophosphate, 75% Soln. 25 b		
04 .		Imp., 88-92% 700 lb drs. NY. lb	.06%: .06%		1.60 :	1.70
	0.5	USP, by alcohol 5 lb cans lb	.46 : .48	Guafacol Sulfonate, 5 lb cans,		
			.0000	10 b	2.00 :	2,25
			20 . 20	Hypophosphite, 10 lb cans lb	.80 :	.85
:	.25			Iodide, USP, 100 h cases h		3.65
:				Second Hands, cases Ib	3.50 :	3.60
:				Lactophosphate, 40z botoz	:	.90
				Metabisulfite, 300 lb bbls lb	.18 :	.20
1.40 :	1.50			Imp., 550 lb bbls lb	.10 :	.12
				Muriate, 80%, 200 lb bags, NY		
					:	.613
			: .10		.35 :	.40
				Perchlorate, 112 b kegs b	.0914:	.10
				PERMANGAN, USP. crys. 500 m		
				& 100 lb drs. wks lb	.14 :	.145
				Imp. 112 lb drs lb	.14 :	.143
			.25 : .27	Prussiate, red. 100 lb bbls lb	:	.43
:				500 m casks	.38 :	.40
			.05%: .05%	Prussiate, yellow, 500 fb casks. fb	.18%:	.19
:	.45	80-85%, hydrated, 800 B		Salicylate, 25 D cams D	.60 :	.65
:	.30	cks	.05%: .06		:	.85
		90-95% calc. casks ID	.05%: .06	USP, VIII, 100 lb kegslb	.15 :	.18
				Sulfocyanide, CP 25 lb jars lb	:	.50
						.51
						.30
111	.25	: .25 :	24 25 25 27 25 27 26 28 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	24 : 25 25 : 27 26 : 27 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	24 : 25	24 25 25 27 27 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29

Largest producers of Pure Phthalic Anhydride in the world



SELDEN

99.99+% Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Pumice Stone, lump, 250 lb bbls. lb Lump, bags	.04 1/4:	.05	QUININE—(continued) Santonin USP, 1 b bot b 1 Tartrate cs : .88 Powd. 1 b bot b 1	45.00		18.00
Powdered, 350 lb bbls	.0214:	.03	Tartrate	.90		1.10
Pyridine, 50 gal, drums gal	4.00 :	4.25	Small Sizes: los vials or cars. Satin White, 500 ft bbls fb		:	.0134
QUICKSILVER, see Mercury	1.00 .	1.20	50 oz. lots, 5e oz extra; 56 s cans, 50 oz. lots 3e oz extra; 56 s cans, 50 oz lots 3e oz extra; 35 s cans,	.60	:	.65
Quinddine Alk., 100oz tinsoz	:	.75	500s lots, 2c es extra; single 1cs Seidlitz Mixture, 225 lb bbls lb	.17		.18
Sulfate, 1000z tinsoz	*** :	.50	vials or cans, 5c extra. All minor Silica		-	
Quinoidine, see Chinoidin			quimine salts sold and quoted basis Crude, bulk, mines,	10.00	: 1	12.00
QUININE SULFATE, URP,			100om lots in 100om cans. Sulfate Refined, floated, bagston and bisulfate sold bads 100om At floated bags ton	18.00		30.00
American, 100cs tins	:	.50	an nontro, bago			50.00
los tins, 100os lots	:	.57	on containers outen as above	\$5.00		65.00
Dutch, 100oz timeoz	***	.50	SILVER, metal, American 03		:	.99%
Java, 160os tinsos Japanese, 100os tinsos	•••	.50	R SALT, 250 lb bbls. wks lb .49 : .50 Colloidal, 1605 bot		:	2.80
	:	.50	Red Lead, see lead exids Silver Iodide, 16ez botez		:	.69
QUININE SULFATE, USP,			Red Precipitate, see mercury Nitrate, USP, 2000z botoz	.45	:	.46
Acetate	:	.88	Resorcin, see resorcinol. Nucleinate, 160z bot	.34	:	.38
Amenate		.88	Resorcinol tech, 100 lb kegs lb 1.35 : 1.50 Proteinate, 160s botos	.34	:	.38
Bensoateos		.88	USP, 25 m cans	.20	:	.25
Bisulfate, USP		.50	Imp. USP, 300 lb bbls lb .1934: .20 Green, USP, 150 lb kegs lb	.07	:	.0734
Citrate			Rosewater, triple, 5gal. demisgal .90 : 1.10 Soapstone, see Talc. crude		•	/2
		.62	Rotten Stone, lump imp., bbls ID .07 : .08 SODA ASH, 58% light			
Dihydchlide, USP	:	.66	Lump selected, bbls lb .09 : .12 1-4 bags, deliv'd NY100 lb			2.19
Dihybromide	:	.66	Powdered, bbls			
Dicarbonate, 10oz tinscs	:	2.50	Domestic, bags, mineston 24.00 : 30.00 1-4 bbls., deliv'd NY100 lb			2.44
Ethyl Carbonate, 16oz. tinsos	:	.91	SAUCHANIA, COL, IN CALS, 2010			4.40
Ferrocyanide	1	.88	Boluble, UEP, 1 b cans, 25 b b 1.90 : 2.10 Contract, Basis 58% bags c/l		:	1.38
Formate	:	.85	Sel Ammoniae are Ammon Chloride			
Glycerophosphate		.88	Sal Ammoniac, see Ammon. Chloride Salicin, USP, 170 cartons, 25 ID . ID 4.50 : 4.75 Contract Parts 5867. depres bear		:	1.48
Hydriodide		.88	Salcin, USP, 110 eartons, 2510. 10 4.50 4.75 Contract, Basis 58% dense bage saloi, USP, 100 lb drume			
			Salt, Common, see sodium chloride			1.45
Hydrobromide, USP	:	.62	Salt Cake, c/1 f.o.b. wkston 20.00 : 24.00 c/1 wks100 lb		:	1.55
Hydrochloride, USPos	:	.62	SALTPETRE, Double Refined SODA, CAUSTIC, 76% solid		•	
Hydrochlorsulfate	:	.66	Granular, 400-500 fb bbls. 1-4 drums deliv'd NY100 fb			3.91
Hydehlide & Urea, USF ID	:	.88.	c/l wks		:	3.76
Hypophosphitecs	:	.83	Less c/l works, bbls Ib : .06 1/4 Ground & Flake, 76 % Large Crystals, 350-400 lb bbls., 1-4 drums, deliv'd NY100 lb			4.31
Lactate	:	.78	c/l wks	***		4.16
Phenolsulfonate	:	.88	Small Crystals, 350-400 lb bbls., 1-4 bbls. deliv'd100 lb		:	4.56
Phosphate	:	.74	c/1 wks		:	4.41
Salicylate, USP	:	.63	Powdered, bbls, c/l wks?b: .07 Contract basis 76% c/l wks.			
Tannate, USP	:	.45	Imported, 500 lb bbls., NY lb : .06 % 100 lb		:	3.10



Diamond Caustic Soda is guaranteed over 98% pure



The Trademark of Quality in Alkalies

A Record for Quality Founded upon Performance

DIAMOND products have attained an enviable position among consumers of quality Alkalies. A record for performance has been responsible for the increasing demand for—not just Alkalies, but Diamond Alkalies.

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Manufactured & Sold Direct to Consumer

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THE success of thousands of business enterprises is vitally affected by the use of Alkali.

The Solvay Process Company feels this responsibility and the aim of the entire organization is at all times centered on perfection.

Solvay 58% Soda Ash
Dense-Light-Extra light (Fluf)
Solvay 76% Caustic Soda
Solid-Flake-Ground

Solvay Super Alkali:

Solvay Snow Flake Crystals

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%-75%



The Solvay Process Company

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SODA CAUSTIC-(Continued)			SUDIUM-(Continued)			, SDDIUM—(Continued)		
Pmpt. and spot, Basis 76%			Chloride, tech. 200 m bagston	12.00 :	13.00	Ortho-Chloro-para-Toluene Sulfo-		
e/1 wks100 lb	:	3.20	C. P., 300 D bbis	.05 :	.06	nate, 175 lb bbls. wks lb	.25 :	.27
Contract 74% low grade c/1			Chromate, 800 m bbls m	:	.08	Oxalate, neutral, 100 lb kegs. lb	:	.39
wks. flat100 lb	:	3.03	Citrate, USP, IX, 100 lb kegn, lb	.62 :	.66	Perborate, 275 m bbls m	:	.23%
Ground & flake, 76% pmpt, and			USP, VIII, 100 b kegs b	.55 :	.59	Imp., 225 lb drs,	:	.22
spot, was c/l drs100 lb	:	3.60	Cyanide, 96-98%, 100 lb cases					
Contract, 76% drums, e/l wks		0.00	wks	:	.22	Percecide, 200 lb cases lb	.35 :	.27
fiat	:	8.50	Ton lots, wks	:	.22	Phosphate, di-sodium, tech 550 lb		
USP, stick, 10 lb cans lb	.19 :		73-76%, 100 m cases, wks. m	:	.19%	bbls	.03 1/4 :	.83%
Pure, stick, by alcohol ID	.25 :		125-128%, 200 m cs m	.20 :	.2016	USP, gran. 275 bbls lb	.07 :	.014
1			120-125%, 200 lb cs lb	.16 :	.17	Imp. gran	.05%:	.06
SODIUM ACETATE, crys. 450 m bbls	0494 -		118-120%, 200 b cs b	:	.18	USP, recrys. 275 bbls Ib	.10 :	.11
wks lb	.041/2:		Fluoride, 300 h bbls, wksh	.08%:	.0934	Mono-sodium 100 lb kegs lb	.34 :	.26
Aluminate, 500 lb bbls, wks lb	.07%:	.08	Imp. 350 D bbls	.0814:	.081/2	Tri-sodium tech. c/l, bbls D	.03 1/4:	.04
viuminum Sulfate, see alum soda			Glycerophos, USP, crys 25 lb	100 /61	100 /2	Picramate, 100 lb kegs lb	:	.60
Arsenite, 4 lb mat, wks, drums gal	.50 :	.60	cans Tb	1.65 :	1.75	Para-Toluene Sulfonate, 175 D		
Drums, 8 lb material, wksgal	1.20 :	1.50	Powder, 25 % tins h	1.70 :	1.80	bbls	.08 :	.09
Benzoate, USP, 100 lb bbls lb	.65 :	.68	Solution, USP 25 D tinsD	1.10 :	1.20	PRUSSIATE, yellow, 250 m bbls. m	.0914:	.09%
Bicarbonate, 400 h bbls, NY. 100 h	:	2.25	Hydroxide, see Soda Caustic		1.20	Imp., 450 lb cks	.09%:	.10
Bbls. c/l wis100 fb	1		Hypochlorite, Soln., 100 fb cbys. fb	:	.05	Pyrophosphate, 100 lb kegs lb	.24 :	.26
112 lb kegs wks100 lb	:		14 1/2 % soln., 50 m ebys m	:	.04	Salicylate, 100 h kegs	:	.40
112 m kegs, NY100 m	:		Hydrosulfite, 200 h bbls, fob, wks. h	23 :	24	Second Hands, USP, kegs D.	.37 :	.40
Bichromate, 600 lb casks wks lb	:	.071/	For Stripping, 50 lb cans To	.35 .	.40	Silicate, 60° 700 lb bbls, f.a.s.		
Casks, c/1 wks lb	:	.07%	Hypophosphite USP 25 lb cans			NY100 D	:	2.00
Casks, NY	.07%:	.071/2	TO.	.70 :	.75	Works, 1000 D drums100 D	:	1.90
Bisulfite dry powder, 500 fb			HYPOSULFITE, tech, pea crys.			Works, tanks 100 lb	:	1.75
bbls., whs	.04 :	.04 1/2	375 lb bbls. wks100 lb	2.65 :	3.05	40° domestic, 700 h c/l f.o.b.		
Solution, 32-40°, 500 B bbls.			Bbls. c/l wks100 lb	:	2.50	wics 100 lb	:	.80
wks 100 fb	1.25 :		100 lb kegs wks100 lb	2.75 :	3.35	Works, 1000 fb Grums100 fb	:	.85
Bromate, 100 D cs	:	1.05	Imp100 lb	2.75 :	3.00	Works, tanks100 lb	:	.75
BROMIDE, USP, 450 m bbls., m	:	.38	Granulated, bbls. wks100 lb	2.90 :	3.30	Spot, drums, bbls100 lb	1.05 :	1.30
Cases. 50 lb	:	.39	Bbls. c/l wks100 lb	:	2.75	Silicofluoride, 450 to bbls, NY. ID	:	.06
Imp. USP. 112 D D	.33 :	.35	Kegs, wks100 fb	3.00 :	3,60	Sulphate, see Glauber's Salt		
Cacodylate, USP, 5 lb. bot.			Regular crystals100 lb	2.35 :	2.65	Sulfate, Anhydrous, 550 b bbls,		
25 m	5.50 :	5.90	Iodide, USP, 25 lb jars lb	4.25 :	4.30	c/1	.03%:	.05
Carbonate, sal sods, 350 lb bbls.			Metamilate, 150 m bbls m	.55 :	.TO	Sulfide, 60% solid, 650 b drs.		
le/1 NY100 m	1.30 :	1 95	Naphthionate, 300 lb bbls lb	.59 :	.62	le/1 wks ID	.04 1/4:	.05
Works e/1100 ID		1.30	Nitrate, crude, 95%, 200 b bgs.			Drs. c/1 wks	.0314:	.04
Monohydrate, 400 D bbl.	1.10 :	1.30	c/1 NY100 m	2.45 :	2.471/	Imp. 700 m drs. NY m	:	.03%
		. 40	Futures, NY100 lb	2.45 :	2.471/4	60% broken, 650 lb drs wks. lb	.0434:	.05
lc/1 NY106 B	:	3.40	Double Refined 400 to bbls		/2	Imp., 500 m drs. NY m	.08%:	.04
Pure photographie, 100 h			gran. c/l wks 10	:	.0414	30% crys. 440 fb bbls, wks. fb	.0214:	.023
keg	.06 :	.08	Nitrite, 500 m bbls. wks m	.081/4:	.08%	Imp., 400 lb bbls lb	.02 14:	.023
Chlorate, 112 h kegs, wks h	:	.0614	Bbls. spot, makers	:		Sulfite, crys. 400 lb bbls. wks lb	.0314:	.03%
Imported, 112 h kegs h	:	.06%	Imp. 650 m casks	.08%:	.09	Anhydrous, 400 lb bbls lb	0936:	.10

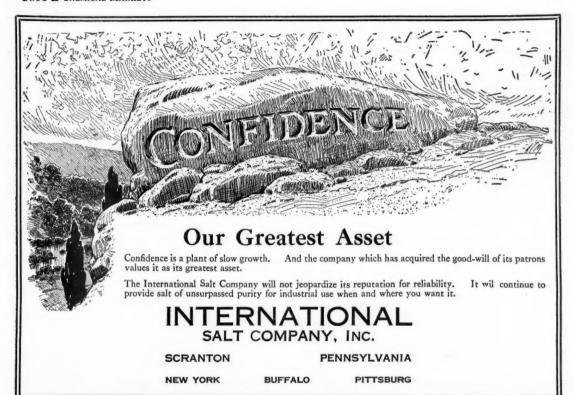


SODA ASH CAUSTIC SODA BICARBONATE OF SODA

MICHIGAN ALKALI COMPANY

General Sales Department 21 East 40th Street, New York Works: Wyandotte, Michigan

"Distinguished for its High Test and Uniform Quality"





SODIUM-(Continued)			SULFUR, crude bulk, e/l NYton		: 19.00	Thiocarbanilid, 170 lb bbis lb		: .28
Sulfocarbolate, USP 100 b			Crude, f.o.b. mineston		: 15.00	Thymol, USP, 25 lb tins lb	3.30 6.25	: 3.50
kegs	.35		Brimstone, 250 h bags, c/l 100 h	1.75	: 1.95	Iodide, 5 lb boxes		: 6.50
Sulfocyanide, 400 lb bbls lb		: .47	Less e/l bags NY100 lb	1.85	: 2.10	TIN, Metal Straits, NY100 lb	* * *	: 50.12½ : 50.00
Tungstate, crys. 100 lb kegs lb		: .45	Boll, 500 m bbls, c/l NY.100 m		: 2.15	American standard, NY100 lb 99% American, NY100 lb	* * *	: 49.50
Anhydrous, kegs		: .75	Less e/l bags NY100 D	2.20	: 2.45	Bichloride, 56% soln, 100 fb		. 45.50
Solvent Naphtha, see Naphtha			Flour, Heavy, 290 h bbls, 100 h	2.50	: 3.05	bbls. wks		: .14
Spartein Sulfate, USP, 25on bulk.on	.30	: .40	Light, 100%, 260 h bbls, 100 h	2.60	: 3.15	Crystals, 500 lb bbls, wkslb		: .351/
Single on, vial		: .47	Rubbermakers 100%, 240 D		: 3.30	100 lb kegs, wks lb		: .36
Starch, rice, 140 lb bags lb	.09	: .10	bbls, NY100 D Commercial, 99%, 150 D bgs.	2.00	. 0.00	Oxide, 400 lb bbls, wks lb		: .52
	.00		NY	1 95	: 1.65	100 lb kegs, wks lb		: .54
STRONTIUM Bromide, USP, 50 D	44		For Dusting, 99%, 100 h	1.00	. 2.00	Tetrachloride, 1000 h drs. wks. Ib		: .281/
kegs	.41		bes. NY 100 m	2.00	: 2.50	Tolidine, 350 m bbls	1.00	: 1.10
Carb. 600 lb bbls. wks D		: .07	Flowers, 100%, 240 lb bbls.	2.00	. 2.00	Sulfate, 350 m bbls		: 1.10
100 lb kegs wks		: .08	NY100 D	3.00	: 3.55	Toluene, 8000gal tank care, wks.gal		: .98
Iedide, USP, 25 m jars D		: 4,00	Precipitated, 125 lb bbls NY lb	.14	: .17	110gal. drs. wksgal		: .81
Nitrate, 600 lb bbis, wis lb		: .10%	Lac, 125 m bbls NY	.07	: .10	Toluidine, Mixed, 900 lb drs. wks. lb	.31	: .39
Imp., bbls, NY			Sulfur Chloride, red, 700 b drs.			Triacetin, 50 gal. drs., wks ID		: .374
Salicylate, USP, 100 h kegs Ib	.70	: .75	wks	.06	: .07	Tribromphenol, 100 b cases b		: 1.06
STRYCHNINE Alkaloid, USP, crys.			150 lb cbys, wks		: .08	Trional, see Sulfonethylmethane		
100oz. tineos		: .61	Yellow, 700 lb drs. wks lb	.05	: .06	Triphenylguanidine		: .90
Alk. powd., USPos		: .51	150 lb cbrs. wks lb		: .07	Triphenyl Phosphate, 450 lb bbls. lb	***	: .55
Acetate	***	: .68	Sulfur Dioxide, 100 h cyl h	.08	: .081/2	Tripoli, 500 lb bbls100 lb	2.50	: 3.00
Glycerophosphate, USPos	***	: .68	Iodide, USP, VIII, 5 h bot h		: 4.55	Tungsten NYWO, unit	8.75	: 9.50
Hydrobromideos		: .68	Sulfuric Ether, see Ether			Ultramarine Blue	.15	: .25
Hydrochloride		: .68	Sulfuryl Chloride, 600 lb drs lb	.75	: 1.00	UREA, pure, 112 lb cases	.18	: .20
Hypophosphiteos		: .78	TALC, Italian 220 h bags NYton		: 50.00	VANILLIN, USP. 5000g cansoz		: .49%
Nitrate, USPoz		: .68	Refined white, bagston		: 80.00	Cans. 80 ozs		: .50
Phosphate		: .68	French, 220 lb bgs., NYton		: 35.00	Cans, 16 ozs		: .51
Sulfate, USP, crys, powdoz		: .4134	Refined, white, bagston	35.00	: 45.00	Second Hands	.42	%: 47%
Saccharinate		: 1.75	Dom., crude, 100 h bags NY.ton		: 15.00	Venetian Red		: .05
Market			Refined, 100 lb bags NYton		: 18.00	Verdigris, see Copper Subacetate		
Strychnine preparations quote			Tar, Coal Gas, Tks, wks gal	.06	: .08	Vermilion, Amer. 100 lb kegs lb	.35	: .40
100os lots in 100os tine. Sma			Coke Overs Tks, wksgal	.07	: .08	English, kegs	1.30	: 1.35
%oz vials, 50c extra; %oz vi extra; single ounce vials, 7c ext			Water Gas, Tks, wksgal	.06		Veratrine Sulfate, 10s vial os		: 1.85
of 25 om. 5c higher than			Tartar Emetic, tech. 700 m bbls. m	.31	.34	Hydrochloride, 102 vial08		: 1.85
schedule. Lots of less than			Terpin Hydrate, USP, 100 lb kegs lb	.60	: .62	Veronal, see Acid Diethylbarbituric		
10c higher per ox.	20 UIII	•	Terpineol. CP 1000 b drumsb	.43	: .50	WHITE LEAD, see lead, white.		
			Cans. 50 m	.53	.57	White Precipitate, see nercury		
Sugar Coloring, bblsgal	.63	: .72	Imported, caus. 25 D D	.95	: 1.20	Whiting, 200 lb bags, c/l wks.ton	13.00	: 15.00
Sugar Milk USP, 200 h bblsh	.22	: .23	Terpenyl Acetate, 25 lb cans lb	1.65	: 1.85	Bags, le/l NYton		: 18.00
Second Hands, USP, bbis Ib	.2014		Terra Alba, No. 1, 300 B bbls100 B	1.85	: 1.90	Gillders, bags, NYton		: 15.00
Sulfonal, see Sulfonmethane			No. 2, bbls100 b	1.25	: 1.35	French, bags, NYton		: 18.00
Sulfonethylmethane, USP, 10 lb bxs, lb	3.85	: 4.05	Theobromine Alk., 5 lb cans lb	4.00	: 4.10	English, bags, NYton		: 21.00
						Witch Hazel Extract, 50gal, bbis.gal		: 1.25

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PHENOL U.S.P. NATURAL
SPECIAL CRESOL FRACTIONS
CRESOL U.S.P.
ORTHO CRESOL

CRUDE CRESYLIC ACID

97-99% Straw Color 95% Dark

CHIPPED NAPHTHALENE

Particularly High Melting Point for Dyestuffs Manufacture

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ACETONE

Acetone Oil Methyl Ethyl-Ketone

Manufactured by

NORWICH CHEMICAL MFG. CO. EAST SMETHPORT, PA.

XYLENE, 3° dist rarge, nitration tks wks	.40 :	.45	Oils			Off prime, bbls		.16%
110 gal. drs NYgal.	.45 :	.50				Extra, bbls		.13%
5° dist. range, 8000gal, tanks						Extra No. 1, bbls fb		.121/4
wks gal	.35 :	.40	Caster, No. 1, 400 lb bbls lb	17 :	.1736	No. 1 bbls		.11%
110 gal. drs. wksgal	.40 :	.45	80 lb caseslb			No. 2 bbls		.111/2
10° dist. range, drums, wksgal	.35 :	.40	No. 3, bbls	.161/2:	.18	LINSEED, raw c/1 bbls., spotgal		
Commercial 110 gal. drs., wks. gal	.32 :	.33	Blown, 400 m bbls m		.17	Five bbls., rawgal		1.02
Tanks, wksgal	.26 :	.27		:	.18	Poiled & bbl less		1.05
Xylidine	.40 :	.45	China Wood, bbls., spot NY 1b	.14%:	.15	Boiled, 5 bbl. lots Ib	0.0.0	1.07
YARA YARA, 1 To tins	1.75 :	2.00	Tanks, Spot, NY 10	:		Double boiled 5 bhl, lotsgal		1.08
Yohimbin Hydchllide, 1 oz. vialoz	3.00 :	3.57	Aug. Sept. forw. arrival NY bbls. lb	.14%:	.15	Raw, 1c/1, bbls gal	***	1.05
ZINC, METAL, high grade, slabs			Sept. forward, arrival NY tanks. Ib	:	.131/2	Tanksgal		.96
c/l NY100 fb	:	8.25	Coast, tanks, Aug. Sept. forw Th	:	.1234	Sept. c/1 wkls gal		: 1.00
Common Slabs, c/1 NY To	6.30 :	6.35	Coast, tanks, Oct, forward Ib	:	.121/2	Oct. c/1 wklsgal		.96
Mossy, 25 lb bxs NY lb	:	.14	Coconut Ceylon, 375 h bbls., NY. h		.10	Oct. Dec. c/1 wklsgal		.94
Ammonium Chloride, powd., 400 lb			8000 gal. tanks, NY ID	.091/4:		Imported, bbls, NY		
bbls ID	.0714:	.08	Cochin, 375 lb bbls., NY lb		.09%	Tanks, NYgal		
Carb. tech. 150 lb kegs NY lb		.23		.10%:	.11	Menhaden, crude bbls, wksgai		
USP, 100 m kegs m	:	.33	Tanks, NY		.10	Crude, tanks, Baltgal	.45	
Chloride, fused, 600 lb drs.wks. lb	• • • • •		Manila tanks, P. Coast Ib	.081/2:	.08%	Light strained, tanksgai	.40	: .50
	****	.06	Edible, bbls., NY	:	.11	Light strained, bbls., NYgal	0.4	0 #
Drs. c/l wks	.04%:	.05	Cod Newfoundland, 50 gal, bbls.gal	.59 :	.61	Valley blanked blanked blanker	.64	.65
Imp. drs. NY	.04 1/2:	.05	Tanks, NYgal	.56 :	.57	Yellow bleached, bbls., NYgal	.67	.68
Granulated, 500 lb bbls, wks. lb	.07 :	.071/2	Copra, bags	.051/8:	.05%	Extra bleached, bbis., NYgal	.69	.70
Imported; drs. NY lb	:	.061/2				Blown, bbls., NY		
Solution, 50%, tanks wks100 h	2.25 :	2.50	Corn, ref., 375 lb bbls., NY lb	.15 :	.151/2	Neatsfoot, 20° c.t. bbls, NY B		.1914
USP, 25 lb jarslb	.27 :	.29	Crude, tanks mills	:	.111/2	Pure, bhis NY		.15
Cyanide, 100 lb drs	.36 :	.37	Bbls., NY	:	.131/2	Extra, bbls., NY		.121/4
Dust, 100 h tins wks h	.0914:	.10	Cottonseed, crude tks. mill Ib	.111/4:	.111/2	No. 1, bbls., NY		.11%
500 lb bbls, kegs, lc/l wkslb	:	.0934	P. S. Y., 100 bbls. lots, NY 10	:	.13 %	Oleo Oil, No. 1, bbls., NY To		
500 lb bbls, kegs, c/l wkslb	:	.081/2	White, 100 bbls. lots, NY Ib	:			.151/4	
Iodide, 5 m bots		5.28	Winter yellow, 100 bbls., NY., Ib	.15 :	.16	No. 2, bbls., NY	.13 1/4	
Nitrate, 25 lb jars	***	.45				No. 3, bbls., NY		: .121/
Oxide, Amer. 300 lb bbls, wks lb	.081/4:	.08%	Degras, Amer. 50 gal. bbls., NY. lb	.041/4:	.04 1/2	GLIVE, denatured bbls, NY gal	1.20	1.22
Bbls. c/l wks	.08	.081/2	English, light, bbls., NY 1b	:	$.05\frac{1}{2}$	Edible, bbls. NYgal	2.00	2.25
French, 300 fb bbls wksfb	.10%:	.121/4	Dark, bbls., NY	.041/4:	.041/2	Foots, bbls., NY	.091/2	
Bbl c/l wks	.09 %:	.11%	Neutral, bbls., NY	.10 :-!	Nom.	Shipments	.09 1/4	
	.09%:		Moellon, bbls., NYgal	:	.50	Burbuscute	.0079	00%
Bags, c/l wks	.03 78 .	.10 1/8	Greases, choice white, bbls., NY 10	:	.111/4	Palm Lagos, 1500 h casks h		: .081/
USP, 100 m bbls. e/1 m		17	Yellow To	:	.071/4	Niger casks	.07%	
Ton lote wks Th			Brown	:	.07	Bonny old Calabas cools W		
Imported, white seal, bhls Ib	:	.12	House		.07	Bonny old Calabar, casks ID	.07	Nom.
Green seal obis To			Bone naphtha			Palm Kernel, bbls., NY		: .091/
USP. 100 m bbls m	?	.19%		:	.06%	Peanut, refined bbls., NY 1b		
Stearate, USP. 50 lb bbls lb		.22	Herring, Tanks, Coastgal.	:		Crude, mills buyers' tks To	* * *	.161/
Sulfate, 400 lb bbls, wks lb	.03 1/4:	.03 1/2	Horse, 375 fb bbls, NY			Crude, bbls. NY	***	
Bhla, e/l wks Th		.03		-	Nom.		* * *	
USP, 100 lb kegs	.08 :	.09	Lard, prime steam bbls	.14%:	.15	Perilla, bbls., NY	.14 1/4	: .14 34
Sulfocarbolate, 100 lb kegs lb	.32 :	.34	Compounds, bbls	.151/4:	.15%	Ponnyseed, bbls., NYgal	2.25	: 2.50

What is said of our Services!

Messrs. Gebr. Waaning Tilly, from Haarlem (Holland) write to us on the 23rd of October, 1922:—

"We received through our Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietory Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trademark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled this and if there is any further business of this nature at any time that you can attend to, we will be glad to place it in your hands."

Messrs, Max Dorner G. m. b. H., from Solingen (Germany) write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further registrations will also be trusted to you."

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INDUSTRIAL CHEMICALS
CHEMICAL MANURES
CRUDE DRUGS

Oils and Fertilizers

Rapeseed, refined bbls., NYgal		: .86
Blown, bbls, NY, 8 lbsgal		: 1.00
Red Oil, distilled, bbls ID	.0914	: .093/
Saponified, bbls Th	.091/4	
Tanks ID		
Salmon, 8000 gal. tks. Coastgal		
Sesame, edible bbls	.131/2	.14
Sod Oil, bbls, NYgal		
SOYA BEAN, crude tks, Coast ID		: .10%
Crude, Tks., NY lb	.10%:	
Crude, bbls, NY	.121/4:	
Sperm, 38° c.t. blehd. bbls, NY.gal	:	
45° cold test, blchd. bbls, NY.gal	:	.84
STEARIC ACID, s.p. 200 h bags. fb	.11	
Double pressed, bags	.11%	.12
Double pressed, bgs., saponified. Ib	.11%	
Triple pressed, bgs., distilled ID	.13	
Triple presed, bgs., saponified In	.13	.1814
Stearine, oleo, bbls	:	.14%
Tallow, edible, tierees Ib		
City, extra, loose	.081/8:	
Tallow Oil, acidless tks. NY Ib		.10
Bbls., c/1 NY	:	.11%
Walnut, crude bbls, NY ID	- :	_
Whale, nat. winter bbls, NY gal	:	.11
Blehd, winter bbls, NYgal	:	.81
Extra Blehd, bbls, NYgal	:	
Crude, No. 1, tanks Coast gal	:	
Crude, No. 2, tanks Coast gal	:	
Crude, No. 3, tanks Coast gal	:	

Fertilizer Materials

				_
Blood, dried f.o.b. Baltunit	3.25	:	3.35	Г
Chicagounit		:	3.75	
Bone, 3 & 50 ground steamedton	20.00	:	21.00	
Raw. Chicagoton		:	25.00	
Cyanamide, NY., basisunit	1.80	:	2.00	
Fish Scrap, dried wksunit		:	3.75	
Acid, Bulk. 7 & 31/4, Deliv.				
Norfolk & Balt, basis, unit	3.00	:	3.25	
Steamed Bone Meal, 3 & 50, Balt.ton			24.00	
Tankage, ground, NYunit		:	3.25	
High grade f.o.b, Chicago unit			3.75	

Ammon. Sulf., bulk wks 100 lb	2.40		2.45
Double bgs, f.a.s, NY 100 lb	2.60		2.65
Single bags, wks100 fb	2.50	2	2.55
NITRATE SODA, NY100 To	2.474	6:	2.50
Future, Aug	2.473	6:	2.50
Phosphate Rock, f.o.b, mines		-	
Florida Pebble, 68%ton		:	2.25
Florida Pebble, 70%ton		:	2.50
Florida Pebble, 75-74%ton		:	3.75
Tenneszee, 72%ton		:	5.50
Phosphate Acid, 16% Bulk wkston	8.00	:	8.50
PCTASH			
Pot. Chloride, 80% basis, bgs.ton		:	31.10
Pot. Sulfate, 90% basis, bgs.ton			41.27
Dble, Manure Salts, 48% basis		-	
bgston		:	23.72
Manure Salts, 30% basis, bulk.ton			15.33
Manure Salts, 20% basis, bulk ton		:	9.50
Kainite, 12.4% basis, bulk, ton			6.50
Bulk in bags, \$2.00 extra.		-	
Prices c.i.f. Atlantic & Gulf P	orts.		

Naval Stores

(Carleads ex-yard N. Y.)		
Spirits Turpentine, bblsgal .	 :	.844
Wood Turpentine, stm. distd. bbls.gal .	 :	.731/
Destructive distilled, bblsgal	 :	.52
	 :	.60
		5.50
Rosins. (Sold in 600 lb bbls., gross for 1	•	0.00
quotations based on a unit of 280 lb		
B	 :	5.65
	 :	5.75
		5.90
		5.90
	 :	5.90
		5.90
		5.90
	 •	5.90
		5.95
	 :	6.10
	 :	7.10
11717 AGA 15		7.60

Rosin Oil, Second Tar, kiln-	first	run,	50	gal.	bbls.gal			.38
Second	run,	bbl	s		gal			.44
Tar, kiln-	burnt				bbl		:	10.50
Retort					bbl		:	10.50

Dye and Tan Woods

Barwood, chips		
Camwood, chips		.18
Divi Divi, pods, bags, ton		
Fustic, stickston		
Chips		: .05
Hemlock, barkton		: 20.00
Hypernic. chips		: ,01
LOGWOOD, stickston		: 27.00
Chips 150 lb bags lb	.03	: .033
Mangrove bark, Africanton	34.00	: 36.00
Myrobalans, bags J1ton		: 38.00
R1ton		
J2ton		
Nutgalls, see Cruda Druga		
Oak bark, wholeton	20.00	: 23.00
Groundton		: 25.00
Quercitron bark, roughton		: 10.00
Groundton		25.00
Sumae, Sicily, 160 lb bagstonl		:160.00
Virginia, 150 lb bagston		45.00
Valonia Cups, 30-31% tanton	32,00	33.00
Beard, 42% tan, bgs.,ton	49.00	50.00
Mixtures, 36% tanton	37.00	38.00
Wattle bark, bgston	32.85	34.90

Extracts



Soda Ash
Caustic Soda
Sal Soda
Glauber's Salt
Tri Sodium Phosphate
Sodium Bicarbonate
Sodium Silicate

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Caustic Soda

All Tests

Soda Ash

Dense-Light Granular if Desired

Sole Selling Agents

The Isaac Winkler & Bro. Co.

50 BROAD STREET NEW YORK FIRST NAT'L BANK BLDG. CINCINNATI

Tannins and Dyestuffs

Chestnut, elarified, 25% tks. wks. lb Bbls., wks	.01%:	.01%	Persian Berries	.03 :	.30	Crude Dru	igs '
			QUEBRACHO, 35% liquid tks. ID 450 ID bbls ID	.0314:	.04		
Pewd., 60% 100 lb bags, wks. lb Decolorized, bags, wks lb	.051/4:	.05%	35% bleaching, 450 lb bbls. lb		.0534	Accroides Gum, yel ID	.16 : .18
*				.04%:	.0434	ACONITE Leaves, bales	.10 : .12
Cudbear, English	.18 :	.20	Solid 65% 100 lb bales lb Clarified bales lb	.04 1/4:	.04%	Root, USP, bags	.39 : .41
Cutch, Rangoon, 100 lb bales lb	.14 :	.16				No. 2, bales	1.45 : 1.50
Borneo, solid, 100 lb baleslb	.04%:	0514	Quercitron, 51° 450 m bblsm	.07%:	.08	No. 3, bales	: 1.20
Liquid, 456 lb bbls	.071/2:	.11	Powdered, 100 lb boxeslb	.09 :	.13	Agaric, white, cases	2.45 : 2.50
Tablets, 120 D boxes D	.13 :	.14	Spruce, 25% liquid tanks wks ID	.01 :	.0114	Almonds, bitter bags bxs Ib	.45 : .50
Flavine	.95 :	1.00	Powd. 50% 100 lb bags wks. lb	.02 :	.0214	Sweet, bags	.57 : .60
Fustic, solid 50 lb boxes lb	.20 :	.22	Sumac, liquid 450 lb bbls lb	.07 :	.08	Aletris Root, bags	.24 : .27 .48 : .50
Crystals, 100 D boxes ID	.20 :	.22	Stainless, 600 lb bblslb	.11 :	.12	Alkanet Root, bags	.06 : .06%
Liquid, 51°, 600 m bbls m	.10 :	.14	DYERS' SUNDRIES			Aloes, Barbadoes, 120 lb bbls lb	.65 : .70
					1.05	Cape, 400 lb cases lb	.081/2: .09
Gall extract D	.16 :	.18	Albumen, technical, egg 200 lb cs. lb Blood, 100 lb drs	.40	1.25	Curacao, 100 lb cases lb	.091/2: .10
Cambler, 25% liq. 450 lb bblslb	.111/4:	.14				Socotrine, whole 100 lb cslb	.30 : .32
Common, 200 lb caseslb	.121/2:	.13	Egg Yolk, Spray, 150 b cs b		.65	Whole bags In	.08 : .09
Singapore cubes, 150 lb bagslb	.21 :	.23	British Gum, 140 lb bags c/l 100 lb Bags, lc/l	::: :	4.72	Ambergris, black boxes02	8.00 : 10.00
HEMATINE, Paste, 500 m bbls To	.091/4:	.13	Dextrin, corn 140 lb bags c/l 100 lb	:	4.42	Grey, boxesoz	: 26.00
Crystals, 400 lb bbls lb	.12 :	.20	Bags, 1c/1100 lb	:	4.52	Ammoniae, tears, bags	.68 : .73
Hemlock, 25% 600 lb bbls. wks. lb	.031/4:	.03%	Yellow, bags c/l100 lb	:	4.47	Angelica Root, dom. bags ID	.12 : .13
Hypernic, 51°, 600 m bbls m	.16 :	.18	bags, lc/l100 lb	:	4.57	Angostura Bark, bags	.15 .16
		.90	Potato 220 lb bags c/1lb		.07	Russian, bags	.15 : .16
Indigo, Madras, bbls Ib Manila, bbls Ib	.85	1.30	Bags, 1c/1	:	.071/4	Star, cases ID	.11%: .12
				:	.07%	Spanish, bags	.14 : .141/2
Larch, 25%, 600 lb bbls., wks lb	.0334:	.04	Tapioca, 200 lb bags, 1c/1lb	.09 :	.091/2	Annatto Seed, 200 lb bagslb	.24 : .25
Powd. 100 lb bags, wkslb	.07 :	.08	Prussian blue	.60 :	.62	ARABIC GUM,	
Logwood, 51°, 600 lb bbls lb	:	.09	Sago Flour, 150 lb bagslb	.041/2:	.05	White, No. 1, 200 lb bags	.26 : .27
Lower grades	.07 :	.08	STARCH, powd. 140 lb bgs.c/1.100 lb	:	3.97	Sorts, amber, 200 bags, bls. lb	.24 : .25 .12 : .1234
Solid, 50 lb boxeslb	.09 :	.15	Bags, 1c/1100 fb	:	4.07	Powd., USP, 300 lb bbls lb	.12 : .121/4
Madder, Dutch	.28 :	.30	Pearl, 140 lb bags c/l100 lb Bags, lc/l100 lb	:::	3.87	Areca Nuts, 150 fb bags	.09 : .10
Mangrove, 55% 400 lb bbls lb	.04%:	.05	Potato, domestic, 200 lb bags. lb	.051/4:	.06	Powd., 200 lb bbls	.13 : .15
Myrobalans, 25% liquid bbls Ib		.05	Imported, bags duty paid Th	.06 :	.0634	Arnica Flowers, bales	.081/2: .09
50% solid, 50 lb boxeslb	.04 :	.0514	Tapioca Flour, high grade bags In	.06 :	.061/2	Root, bags Ib	.25 : .30
			Medium grade bags	.051/4:	.05%	St. Vincent, powd. bbls ib	.13 : .13%
Oak, tanks, wks	.04 :	.04%	Low grade, bags	.04 :	.05	Asafoetida, USP, 250 lb cases lb	.18 : .20
23-25% liq. 600 lb bbls. wks. lb	.04%:		Turkey Red Oil, bbls	.11 :	.12	Powd. 50 lb bxs	.84 : .36
Osage Orange, 51° Hquid Ib Powd, 100 lb bags Ib	.07 :	.08	Yolk Oil, bbls	:		BALM GILEAD BUDS, bagsD Balmony Herbs, balesD	.43 : .48
rowd. 100 m mags	.14 .	.10	I total very bomitteet total		.00	Distinuty merus, pales	: .14

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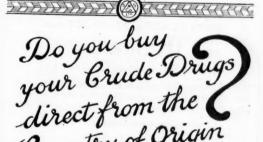
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PRICES CURRENT SECTION

			Mark was to be a second of the					
BALSAMS		4	Canella Alba Bark, balcs Ib	.50 :	.52	Cinnamon, Ceylon, bales To	.2614:	;27
Copaiba, Para, 80 B B	.32 :	.34	Cannabis, true imp. bags Ib	5.75 :	6.00	Broken, bales	.16 :	.20
South American, 80 h cs. lb	.35 :		American (no assay) bales Ib	.40 :		Civet, Abyssia horns	2,75 :	3.75
Fir Canada, cansgal	3		USP	.TO :	.85	Clover Tops, begs	.19 :	,21
Oregon, bbls., cansgal		1.20	Cantharides, Chinese cases Ib	.90 :		Cloves, Zanzibar, 135 h bales lb	.2814:	.29
Peru, 120th cases	1,80 :	1,90	Powdered, boxes	1.10 :	1.15	Amboynas, bales	.3134:	.32
Tolu, 90 lb cases	2,00 :	2.10	Cantharides, Russian, cases Ib	.90 :	.95	Penang, bales	.40 :	.42
Bamboo Brier Root, bags Ib	.0514:	.06	Powdered, boxes	1.00	1.10	Cochineal, USP, boxes	.34 :	.35
Barberry Bark, tree bales 1b	.12 :	.13	Caraway Soed, African, bags Ib	.13 :	.14	Coca Leaves, Huanuco bage ID		
Root, bags	***	***	Dutch, 11 to bags	-14 :	.15	Truxillo, bags	-	
Bayberry Bark, bales B Wax. bbls B	.10 :	.13	Cardamom, bleach, cases Ib	1.75 :	2.00			***
	.21 :	.22	Decorticated, cases	1.55 :	1.60	Cohosh Root, Black bags	.09 :	.11
Belladonna Leaves, bales D	.23 :	.25	Green, grinding, bags Ib	1.00 :	1.10	Blue, bags	.11%:	.121/
Root, bags	211 4	.13	Carnauba Wax, Flor. bags B	.45 :	.46	Colchicum Root, bags	.07 :	.08
Bees Wax, white cases	.40 :	.43	No. 1 N Country bags Ib	.33 :	.35	Seed, bags	.0814:	.09
Yellow, refined, cases	,2514:	.28	No. 2 N Country bags Ib	.26 :	.27	Colocynth, apples, cases, balesIb	:	
Crude, bags	.28 :	.25	No. 3 Fatty Gray, bags Ib	.19 :	.20	Pulp, USP, bales	.28 :	.30
Benzoin Gum, Siam, boxes D	1.80 :	1.85	No. 3 Chalky, bags	.19 :	.20	Colombo Root, whole bags In	.02%:	.03
Sumatra, 80 lb boxes	.22 :	.35	Cascara Amarga, 150 m bales m	1.40 :	1.50	Coltsfoot Leaves, bags	.05 :	.06
Berberis Aquifolium Root, bas D	.13 :	.14	Cascara Sagrada, bales, 1920-22			Comfrey Root, bags	.13 :	.14
Beth Root, bags	.30 :	.32	bark ID	.24 :	.26	Condurango Rark, bales	.35 :	.38
Bitter Root, 100 m bags m	.40 :	.42	1923 bark	.22 :	.24	Conium Seeds, bags	.12 :	.14
Blackhaw Bark, root, bales Ib	.35 :	.36	1924 bark 1b	.16 :	.18	Copaiba Balsam Para, see Balsams		1
Tree, bales	.16 :	.18	Cascarilla Bark, quills bales B	:	***	Copal Gum	.12 :	.13%
			Siftings, bbls	***	***	Coriander Seed, Bombay bags ib	.06 1/2 :	.07
Black Indian Root, 100 h bags h	.40 :	.42	China, Whole Rolls, cases Th	.12 :	.121/2	Morocco, bags	.07 :	.071/2
Blood Root, bam	.14 :	.15		.10 :	.101/2	Bleached, bags	.1016:	.11
Blueflag Boot, bags	.30 :	.32	Saigon, assort. bales Ib	.221/2:	.24	Corn Silk, bales	.041/6:	.051/
Boldo Leaves, bales	.20 :	.21	Cassia Fistula, baskets Ib	.09 :	.10	Cotton Root Bark, bales ID	.12 :	.14
Boneset Herb, bales	.08 :	.09	Castile Soap, USP, powd., 200 m	00 .	00	Cowhage, oz. tinson	*** :	.50
Borage Flowers, bales	.16 :	.10	Castor Beans, bags	.30 :	.32	Cramp Bark, so-called bales Ib	.07 :	.08
Bryonia Root, bags	.09 :	.10	Castoreum, 170 bot	.03 :	.03 1/2	True, bags	.30 :	.32
BUCHU LEAVES, short, 250 D			Catechu Gum, bags	4.00 :	4.50	Cranesbill Root, bags	.16 :	.18
bales	.76 :	.77	Catnip Herb, bales	.11 :	.12	CUBER BERRIES, XX bags Th	.65 :	.66
Less, bales	.82 :	.83	Celery Seed, 220 lb bags lb	.23 :		Powdered, boxes	.68 :	.70
Long, bales	****		Ceresin Wax, white bags	.32 :	.33	Culvers Root, bags	.23 :	.24
Buckthorn Bark, bags	.05%:	.06	Yellow, 200 D bags	.101/2:	.11	Comin Seed, Levant bags To	.20 :	.22
Burdock Root, bags	.13 :	.15		.09 :	.10	Malta, bags	.22 :	.24
Burgundy Pitch, dom., 110 h stands			CHAMOMILE FLOWERS, Roman			Morocco, bags	.22 :	.23
Gross for net	:	.05	bales	.50 :	.55	Cuttlefish Bone, Trieste, straps Ib	.13 :	.14
Calabar Beans, bags	.12 :	.14	Hung, cases bales	.07 :	.071/2	Jewelers, large, straps Ib	:	.50
Calamus Root, bleached cases Ib	.33 :	.35	Charcoal Willow, powd. bbls lb	.06 :	.06%	Small, straps	:	.35
Unbleached, bags	.06 :	.07	Wood, powd. bbls	.04 :	.05	French straps	.1314:	.14
alendula Petals, imp. balesIb	.22 :	.23	Chestnut Bark, bags	.07 :	.08	Powdered, boxes	.13 :	.14
Calisaya Bark, bales, powdIb	.25 :	.28	Herb, bales	.06 :	.063/	Broken, boxes	:	.07
amphor, see Chemicals			Chicle Gum, bags	1		Damar Gum, 136 h cases h	.24 :	.25
anary Seed, Morocco bags Ib	.07%:	.08	Chiretta, bales	.10 :	.12	Damiana Leaves, bales 10	.13 :	14
South American, bags Ib	.07 :	.071/2	Circhona Bark, red quills bales. To	.48 :	-50	Dandelion Root, Imp. bags Ib	.40 :	.45
Candelila Wax, bags	.23 :	.25	Broken, bales	.21 :	.25	Deer Tongue Leaves, bales ID	.1136:	.12

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Digitalis Leaves, bales Ib	.07 :	.08	Grindelia Robusta Herb, balesIb	.07%:	.08%	LADY SLIPPER ROOT, bags D	.50 :	.55
Dill Seed, hags	.06 :	.07	Guaiac Gum, 80 lb cases	.40 :	.42	Larkspur Seed, bags	1.05	1.10
Dogwood Bark, Jamaica bags Ib	.10 :	.11	Guarana, tins, cases	.60 :	.65	Laurel Leaves, bales	.04 :	.05
American, bales	.07 :	.08	GUM, see Arabic Gum, etc.			Lavender Flowers, ordinary Ib	.22 :	.26
Doggrass Root, USP, cut bags Ib	.10 :	.65	HELLEBORE ROOT,		1	Selected	.30 :	.40
Dragons Blood, mass cases Ib	,60 :		Black, bbls To	.08 :	.10	Leeches, tubs	3.50 :	4.00
Reeds, boxes	.85 :	.90	Powdered	.15 :	.17	Lemon Peel, bags Ib	.08 :	.09
ECHINACEA ROOT, bags	.30 :	.32	White, Powd., 250 m bbls m	.11 :	.12	Licorice Root, Russian, whole In	.07 :	.071/
Elecampane Root, bags	.09 :	.10	Helonias Root, (unicorn faise)			Spanish, natural bales In	.0834:	.09
Elder Flowers, bags	.11 :	.14	bags	.70 :	.73	Powdered, bbls Ib	.00	.0934
Elemi Gum, 89 lb eases	.10 :	.11	Hemp Seed, Manchurian bags Ib	.03 1/4:	.04	Selected, 2 & 5 lb bundles lb	.14 :	.17
Elm Bark, select 5 h bundles cases h	.25 :	.26	Chilian, bags	.031/4:	.04	Cuttings, 125 lb bags lb	.06 :	.06 1/2
Grinding, bags	.16 :	.18	Henbane Leaves, bales, USP ib	.28 :	.32	Greek, 150 m bales m	.03	.03 1/2
Powdered, bbls	.23 :	.25	No assay	.26 :	.27	Life Everlasting Herbs, bales D	.05 :	.06
			Henna Leaves, bales	.0936:	.10	Lime Juice, ciarified bbls gal	.00 :	
ERGOT, 150-200 m bags mb	.30 :	.32	Powdered	.12 :	.13	Linden Flowers, with leaves, bales ib		.65
Eucalyptus Leaves, bales lb	.05 :	.06	Honey, Calif., 120 lb cases lb	.12 :	.13	Without Leaves, bales D	.10 :	.11
Euphorbia Pilulifera Herb, bags To	.11 :	.13	Hops, N. Y. prime bales To	.28 :	.30	Liverwort Leaves, bales D		.18
Euphorbium Gum, cases lb	.25 :	.27	Pacific Coast prime bales Ib	.25 :	.27	Lobolia Herb, bales	.19 :	.20
Powdered, boxes	.40 :	.42	Horehound Herb, bales Ib	.10 :	.11	Lobella Cord har	.83 :	.34
Fennel Seed, French, bags Ib	.10%:	.11	Horsetail Rush, bags	:	.15	Lobelia Seed, bags	.62 :	.63
German, bags	.16 :	.18	India Gum, see Karaya		.10	Lovage Root, Imported, bags B	.18 :	.20
Indian, bags lb	.08 :	.09				Lupulin, boxes	1.15 :	1.20
Flax Seed, whole 180 lb bblses	13.00 :	13.50	INSECT FLOWERS, open whole			Domestic	1.15 :	1.20
Ground, 180 lb bblslb	.0714:	.08	Bales	.42 :	.45	Lycopodium, 88 lb cs lb	.30 :	.31
			Closed whole, bales Ib	.40 :	.42	MACE, Slauw, No. 1 cases To	.63 :	.64
Foenugreek Seed, 200 lb bagslb	.05 :	.051/4	Powdered, pure 200 lb bbls lb	.52 :	.55	Banda, No. 1 cases	.65 :	.67
Fish Berries, 100-125 h bagsh	.021/9:	.03	Flowers and stems, 50 p. c.			Batavia, No. 2 cases	.60 :	.61
Fringe Tree Bark, bags	.20 :	.21	200 lb bbls	.36 :	.38	West Indian, cases	.58 :	.60
GALANGAL ROOT, bags Ib	.07%:	.08	Ipecae Root, Cartagena, bags Ib	1.95 :	2.00	Malva Flowers, blue bales ID	.38 :	.40
Galbanum Gum, cans Ib	.80 :	.95	Powdered. 220 lb bbls. boxes. lb	2.10 :	2.20	Black, bales	.55	
Gambier Gum, bags	.14 :	.16	Rio Whole, bags	2.00 :	2.10	Manna, large flake cases		.60
			Powdered, 200 lb bbls. bxs. lb	2.10 :	2.20	Small flake, cases	.82	.85
Gamboge Gum, 160 lb cases lb	.78 :	.80	Isinglass. American, 130 b cs b	.75 :	.80	Sorts, cases	.51 :	.52
Powdered, cases ID	.87 :	.90	Russian (Beluga) bxs. ctnslb	4.00 :	4.50	Mandrake Root, bags	***	.30
Gelsemium Root, bags lb	.11 :	.111/6	JABORANDI LEAVES, bales To	.10 :	.101/2	Mastic Gum, 120 lb cans	.14 :	.16
Gentian Root, bags	.08 :	.08 1/2	Jalap Root, whole, 150 lb bags lb	.29 :	.31	Massue Guill, 120 ib camsib	.00	.00
Ginger, African, bags lb	.17 :	.171/2	Powdered, USP, 250 lb bbls lb	.34 :	.36	Mezereon Bark, bags	.11 :	.12
Jamaica, grinding, bags, bbls 10	.29 :	.33	Japan Wax, white bags	.18 :	.20	Matico Leaves, bales	.16 :	
Japan, bags			Job's Tears, white bags	.14 :	.16	Marjoram Leaves, German bales Ib	.11 :	.20
Cochin, ABC & Lemon, bags Ib		.20	Juniper Berries, 125 lb bagslb	.03 :	.031/2	French, bales 1b	.14	.15
						Millet Seed, dom. yellow bags lb	.03	
Ginseng Root, cultivated, bags Ib		10.0C	KAMALA, boxes	1.10 :	1.20	Montan Wax, crude bags Ib	.051/2:	.06
Northwestern Wild, bags ID		14.00	Karaya Gum, powdered, bbls lb	.10 :	.18	Bleached	***	***
Southern Wild, bags		11.00	Kava Kava Root, bags	.131/2:	.15	Moss. Iceland bales	.08 :	.084
Golden Scal Root, bags Ib			Kino Gum, black cases	.50 :	.55	Irish, bleached, bales	.10 :	
Powdered, boxes			Kola Nuts, 150 b bags	.04%:	.05	Selected, bales	.09	.094
Grains of Paradise, bags	.10 :	.11	Kousso Flowers, bags	2.00 :	2.50	Mullein Flowers, tins	.90 :	1.00

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Bombay, brown Day	
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California, brown	
Tellow	
Chinese yellow	
English, yellow D 00 00 00 00 00 00 00	%: .05
Dutch, yellow D O74/2 O8 Dutch, yellow D O74/2 O8 Dutch, yellow D O84/2 O9 Sorts, cases D O24 O26 Sorts, cases D O25 O22 Sorts, cases D O25 O25 Sorts, cases D O25	
Danish, yellow Dani	
Pink Root, true bags	
Spring came	
Series Causes D 20 22 22 23 24 25 25 25 25 25 25 25	
Aleppy, bags	
utmers 110s cases b 40 4.1 A0 Poke Root, bags D 0.8 .09 Saw Palmetto Berries, bags b .1 .0 <	%: .07
Tos. 80s cases D	
ux Vomica Buttons, bags b .04%; .05% 07 free 08 09 condered. 200 h bbis b .08 09 condered. 200 h bbis b .09 condered. 200 h bbis b .09 condered. 200 h bbis b 11 12 condered. 200 h bbis b .09 condered. 200 h bbis b 08 condered. 200 h bbi	
Powdered 200 lb bbls bbs b	14: .07
AK BARK, red bags	
White, bags Doppy Seed, Dutch, bags Do 06%; O7 Heif Leaf, \$500 b bles Do John John	
Tears, 280 B cases	: .16
No. 1, all white 280 m cases	%: .10
Cases D 22 23	: .14
plum, gum, USP, cases	: .14
Orange Flowers, cases D 0.00 11.00 1	: .06
Producted, USP, cans D 10.00 11.00 range Fiowers, cases D 50 1.00 range Feel, bitter, bags D 0.7 1.00 range Feel, bags D 0.7 1.00 range	: .09
range Fel, bitter, bags b. 0.74½: .0.95 p. 27½ p. 1.0.0 p. 27½ p. 1.0.0 p. 2.5 p.	: .20
range Peel, bitter, bags	: .87
Sweet, bags D .08 %: .09 %: Pumpidin Seed, bags D .14 .16 Diamond I. Lags .10 .1 .14 .16 Diamond I. .12 .16 Diamond I. .16 Name .16 Name .16 Name .16 Name .17 .16 Name .16 .16 Name .16 Name .16	: .74
RRIS ROOT Florentine bold bags. ID .07 : .08 QUASSIA CHIPS, bags	: .74
Powdered, 200lb. bbls. TD .09 : .093/2 Queen of the Meadow Herb, bags. TD .: .08 Fine, bags TD08 Verona, bags TD .05 : .00 Quince Seed, bags TD75 : 1.00 T.N., bags TD08 RAFE SEED, South Amer. bags. TD .04 : .044/2 Garnet, A. C TD08 RAFE SEED, South Amer. bags. TD04 : .044/2 Garnet, A. C TD08 RAFE SEED, South Amer. bags. TD09 RAFE SEED, South Amer. bags. TD04 RAFE SEED, South Amer. bags. TD09 RAFE SEED, South Amer. bags. RAFE SEE	: .73
Vercna, bags D .05 : .06 Quince Seed, bags D .75 : 1.00 T.N., bags D .75 powdered, 200 lb bbls D .071/2: .00 RAPE SEED, South Amer. bags D .04 : .041/2 Garnet, A. C D .5	: .58
Powdered, 200 m bbls m .071/2: .00 RAPE SEED, South Amer. bags m .04 : .041/2 Garnet, A. C m .5	: .58
	: .54
	: .53
Fingers, cases	: .69
mokerite Wax, brown hard bags. D .22 : .24 Japanese, small, bags D .051/4: .06 Bleached, ground, bbls D .	: .56
Green, hard bags D .27 : .28 Raspherries, dried boxes D .66 : .60 Bone dry, bbls D .6	: .66
Red Saunders D .17 : .19 Simaruba Bark, bales D .0	
APRIKA, bags D .20 : 27 1/2 Rhatary Root, bags D .10 : .11 Sideritis Herb, cut bags D .1	: .18
Hungarian D .26 : .28 RHUBARB, Root, H. D., casos. D .29 : .31 Skullcap Leaves, Eastern, bales. D	: .44
areira Brava Root, bags 75 .12 : .14 Powdered, 200 B bbls 75 .34 : .36 Western, bales 75 .4 areira Beach, bags 75 .09 : .10 Rosemary Leaves, bales 75 .05 Sto Berriee, bags 75 75	: .04

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Snake Root, Canada natural bags. Ib Stripped, bags Ib	.45 : .50 :	.50 .65	Tragmeanth Gum, No. 1, ribbon		1.25	Essential Oils
80AP BARK, whole, 150-200 lb 150-200 lb bales lb Cut, 125-175 lb bags lb Crushed, 200 lb bbls lb Powdered, 200 lb bbls lb Spearmint Leaves, American bales lb	.08½: .09¼: .11 : .12 : .15 :	.09 .10 .12 .13	No. 2 to No. 6, canes	.90 .85 .70 .10 % :	.90 .85 .10% .13	Almond Bitter USP 5 lb bot. lb 3.25 : 3.50 Bitter ff PA 5 lb bots. lb 3.25 : 3.50 Sweet, 56 lb cans lb 41 : 43 Peach Kernel, 55 lb tins. lb 24 : 25 Apricot, see Peach Kernel Amber, crude 25 lb tins. lb .70 : .75
Spermaceti, blocks cakes cases Ib Spikenard Root, bags Ib Spruce Gum, boxes Ib	.38 : .25 : 1.00 :	.42 .27 1.50	China, bags	.08½: .15 :	.09 .16 .15	Rectified, 25 lb tins
Squaw Vine, bales	.18 .04½: .35	.20 .05 .40	UNICORN ROOT, false, see Heloni True, see Aletria Uva Ursi Leaves, bales Ib	.041/2:	.05	USP, 50 lb tins
Stavesacre Seed, bags lb Sticklac, Siam, 350 lb baleslb Stillingia Root, bags lb Stone Root, bags lb	.42 .39 .1114 .09	.45 .40 .12 .10	VALERIAN ROOT, Belgian bags, Ib Vanilla Beans Mcx. whole cases. Ib Cuts, cases	10.00 :	.09½ 12.00 11.00 11.00	Artificial, 25 D cars D 2.29 2.35 Birch Tar, rect. 5 D bot D 1.00 1.10 Crude, 50 D tins D 30 50 Bois de Kose, 25 D tins D 4.25 4.50 Cajuput, native, 50 D tins D 7.774 80
Storax, Hquid artif	.90 :	.75 1.00	South American, cases Ib Tahiti, yellow label cases Ib	7.00	7.50	Calamus, 5 lb bot
St. Ignatius Beans, bags lb St. John's Bread, bags lb Stramonium Leaves, bales lb	.12 : .03 : .06%:	.13 .05 .071/2	Green Label, cases ID Vetivert Root, 100 ID bags ID Violet Flowers, bags ID WAHOO BARK, of root bags ID	.25 .80	.26 .85 1.10	Camphor, heavy, 1000 lb drums. lb .14½: .15 Japanese, white, 72 lb cases. lb .13: .14 White, 1000 lb drums lb .12½: .14
Stramonium Seed, bags b Strophanthus Seed, Hispidus b Kombe, bags b	.13 :	.13	Of Tree, bags	.40	.42 .08	Cananga, native 25 lb tins lb 2.00 : 2.25 Rectified, 25 lb tins lb 2.75 : 3.00 Caraway, USP lb 5.00 : 5.50
Sunflower Seed, domestic bagslb South American, bagslb	.05 %: .05 :	.06 .051/4	Wild Cherry Bark, thin green Rossed, bales	.11 :	.12	Cardamom, USP, 1 lb bot lb 28.00 : 30.00 Carvol, 5 lb bot lb 14.00 : 15.00 CASSIA, 80-85 p.c. 400 lb drms, lb 1.75 : 1.80
TAGALDER BARK, bags ID Tamarinds, bbls ID Kegs per keg	.05 %:	.06 .06 3.50	Thick Rossed, bales ID Thin Natural, bales ID Thick Natural, bales ID	.08 ± :	.09 .091/4 .07	Redistilled, USP, 50 lb cans. lb 2.05 : 2.10 Cedar Leaf, 50 lb tins lb .95 : 1.00
Tansy Herb, bales	.18 :	.19	Willow, bark bags	:	.06	Celery, 1 m bot m 10.00 : 11.00
Tar, Barbadoes, 50 gal. bblsgal Thus Gum. 280 lb bblslb	1.40 :	.08	Witch Hazel Bark, bgs	.07 :	.08	Chaulmoogra, 80 lb cases lb .85 : .90
Thyme, Spanish bales	.05%:	.081/4	Worm Seed, American bags B Levant bags B Wormwood Herb, imported bales B	5.00	.09 5.25 .10	Cinnamon, Ceylon, 1 b bot b 11.00 : 12.50 Leaf, 5 b bot b 1.45 : 1.60 CITROMELLA, Ceylon,
Tilia, See Linden Tolu Balsam, see Balsams Tonga Bark, bags	.27 :	.29	Yacca Gum, red	.051/4:	.041/2	1000 lb drums lb .78 : .85 50 lb tins lb .81 : .88 Java, 400 lb drums lb 1.35 : 1.40
Tonka Beans, Angostura, cases B Para, cases B Surinam. cases B		2.25	YELLOW DOCK ROOT, bags D Yellow Parilla Root, bags D Yerba Santa, bags D Zedoary Root, bags D	.12 .16 .091/2:	.14 .17 .10	50 lb time

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Crotan, USP 2575 time		cals
Cumin, 1 lb bot,		
	. 25	: 1.75
CHEAL WETHER AND THE CAME OF THE PARTY OF TH	:::	: 3.50
	2.75	3.00
	.75	2.25
Fennel USP 25th tingth 90 : 1.10	.25	3.50
Geranium Algerian 95 th ting Th 7 75 . 8 50 Sanosiwood, E. Ind. USF, 70 is cases in 0.20 Geranial Domestic 50 th cases	.75	3.50
Bourbon, 25 lb tins b 7.25 : 8.50 W. Houlan, (Amyris) 25 lb tins. b 2.55 Imported, 5 lb bot b 3	.75	4.50
	.50	5.00
Ginger, 1 lb bot	5.50	6.50
Change grass, 25 to 100	.25	7.50
nondeck, som came	.00	: 12.75
The company of the contract of		: 10.75
Troot, by the state state and a state and		11.25
Lavender, USP, 28 lb tins lb 4.50 : 6.00 Tar, 50 gai. 50 lb lb lb Refined, USP 25 lb tins lb Refined, USP 25 lb tins lb Refined, USP 25 lb tins lb Extra, 1 lb bot lb 40	.00	
LEMMA TAT YOUR OF B. OF BRANCH OF B. OF 1 100 CAPRAL COM	.45	47.00
TOTAL OF THE STATE	.30	
Lomoneress, rative, 50 lb cars		. 0.00
Limes, express, 25 lb tins lb 2.00 : 2.10 Vetivert, Bourbon, 1 lb bot lb 11.00 : 14.00 SYNTHETIC AROMATICS	5	
Distilled, 25 m tims m 1.05 : 1.15 Java, 1 m bot m 30.00 : 32.00 Acetaldehyde, 50 % sol. pure, 5 m bot. m 1	.75 :	2.00
	.25 :	4.50
Mace, distilled, 50 fb tins fb 1.25 : 1.35 WINTERGREEN Aldehyde C-8 (Octyl) 1 fb bot fb 45		
Mirbane, ref., see Ar. Chemicals Sweet bch., 25 m tins m 2.50 : 3.00 Aldehyde, C-9 (Nonyl), 1 m bot. m 70	.00 :	75.00
Mustard, USP, 1 bot b : 14.00 Southern, 25 m tins m 1.85 : 2.00 Aldehyde, C-10 (Decyl), 1 m bot. m 50	.00 :	58.00
Artif., USP, 1 m bot m 3.00 : 3.15 Gaultheria, rue 25 m tims m 7.00 : 8.00 Aldehyde, C-12 (Duodecyl), 1 m beroil, Bigarade, 3/4 & 1 m bot. m 4.00 : 60.06 Scuthery 95 m tims m 4.00 : 4.25 bot m 27		
D. 1		32.50
Artificial 1 th bot Th 10 00 · 25 00		25.00
Sutured USP 95 th time th 195 . 195 Wormseed Ball, USF, 2010 tills. 10 2.00 . 2.20 Authoring and Antole Aldebade	.00	00.00
Orange hitter 25 B time B 260 . 275 Wormwood dom., 2010 time 10 3.20 : 3.00	.00 :	4.25
Sweet W Ind 25th ting th 245 · 255 Ylang Ylang, Bourdon, 10 in ting	.75	
Italian 25th con th 270 : 300 No. 1	.00	
Anerican, 25 lb tins lb 3.00 : 3.10 Martin 17 hot 17 28 00 - 40 00 Amyl Formate, 1 lb bot lb 1	.50 :	
bistined, 25th titl 1 1.50 . 1.15 Antifectal 1 Th hat Th 10 00 . 12 00 Amyl Phenyl Acetate, 1 to bot 10 4.	.50 :	5.00
AMYL SALICYLATE, dom. 100 h		
origanium, po to cans tech in .50 : .55	.45 :	1 50
Tarsiery, 110 00t	.25 :	
	.75 :	5.00
Pennyroyal, dom. 25 fb tins	.75 :	4.25
	.40 :	1.50
	.50 :	
Petit Grain, S. Am. 25 h tins., h 2.00 : 2.10 Orris 1 h bot b 15.00 : 18.00 Benzoit Ether, See Ethyl Benzoate		
French, 1 m bot	.75 :	7.00
Italian, 25 m tins m 2.25 : 2.35 Vanilla, 1 m bot m 22.50 : 25.00 Benzyl Acetate, 100 m cbys m 1.	.55 :	1.75

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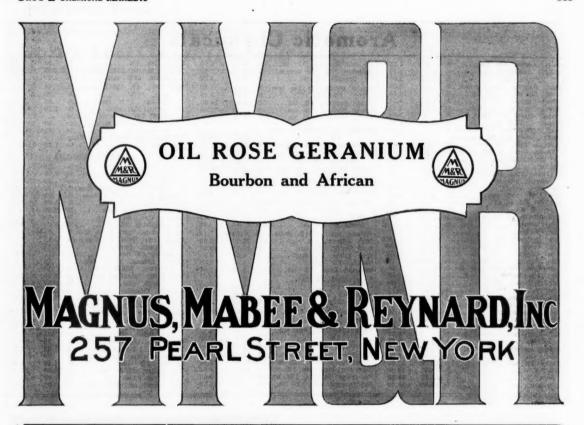
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Bensyi Alcohol, 5 lb bot lb	1.45	: 1.55	Iso-Butyl Benzoate, 5 h bot h 4.75 : 5.00	Skatel. 10z. bot
BENZYL BENZOATE, 5 D bot D	1.60	: 1.75	Iso-Safrel, 1 m bot. importedm 5.25 : 5.50	Terpinyl Acetate, 25 lb canslb 1.65 : 1.85
Medicinal FFC	1.75	: 2.00	Domestie, 5 lb bot lb 4.00 : 4.25	Imported, 25 lb cans lb 1.90 : 2.20
Bensyl Butyrate, C.P., 1 h bot h	5.50	: 6.00	Linalyl Acetate, 1 h bot. Dom h 8.00 : 9.50	TERPINEOL, CP, 1000 lb drums. lb .48 : .50
Benzyl Cinnamate, 1 1 bot 15	10.00	: 10.50	Imp., 1 h bot h 8.00 : 8.50	Cans, 50 m
Benzyl Formate, 1 h bot h	3.00	: 3.25	Linalyl Benzoate, 1 h bot h 13.00 : 14.00	Absolute, 25 lb cans lb .90 : 1.15
Benzyl Propionate, 1 lb bot lb	5.00	: 5.25	Linalyl Formate, 5 lb bot lb 10.50 : 12.00	Imported, 25 lb cans lb 1.10 : 1.20
Bornyl Acetate, 1 b bot lb	3.00	: 3.50	Methyl Acetophenone D 4.75 : 5.00	VANILLIN, USP, 500 oz. cansoz : .491/4
Bromstyrol, 25 lb keeslb	3.00	: 4.00		Cans, 16 oz., 80 oz50 : .51
Butyl Anthranilate, 1 lb bot.dom. lb		: 16.00	METHYL ANTHRANILATE dom.,	Second Hands421/2: .471/4
Butyric Ether, See Ethyl Butyrate			1 m bot m 2.75 : 3.25	Valerianic Ether, See Ethyl Valerate
Cinnamic Acid, 5 lb cans lb	8.00	: 3.25	Imported	Yara Yara, 1 D cans D 1.75 : 2.00
Cinnamic Alcohol, liquid 1 lb bot. lb	9.00	: 9.50	Methyl Benzoate, 5th bot. import. ib 2.00 : 2.25	PERFUMERS' SUNDRIES
Crystallisable	9.50	: 10.00	Domestic, 5 lb bot lb 1.75 : 2.00	
Cinnamic Aldehyds	3.50	: 3.75	Methyl Cinnamate, 1 h bot h 3 50 : 3.75	Almond Meal, 25 lb cans lb .28 : .30
CITROONELLOL, 11 bot 15	9.00	: 11.00	Methyl Heptenone, 1 h bot h 8.00 : 8.25	Ambergris, black, bxsoz 8.00 : 10.00
Imported, 1 h bet	10.00	: 12.00	Methyl Paracresol, 1 b bot b 8,00 : 9.00	Ambergris, gray, bxs
Citronellyl Acetate, 11b bot1b		: 14.00	Methyl Phenylacetate, 5 lb bot dom, lb 3,75 : 4.00	Balsam Copaiba, Para, 80 lb cases. lb .32 : .34
COUMARIN, 25 D cans D	3.25	: 3.45		South American, 80 lb cases lb .35 : .37
DIETHYL PHTHALATE, 25 D cams D	.50		METHYL SALICYLATE, USP 500 B	Ba'sam Peru, 120 h cases h 1.80 : 1.90
1000 m drs	.85	.45	drums	Balsam Tolu, 90 lb cases lb 2.00 : 2.15
Diphenyloxide, 25 h tins h	.45	: .50		Benzein Gum, Siam, bxs b 1.30 : 1.35
Ethyl Acetate, pure, 5 lb botlb Ethyl Benzonte, 5 lb botlb	1.85	: 2.00	The state of the s	Castoreum, 1 D bot
Ethyl Butyrate, 5 lb botlb	1.75	: 2.00	Mirbane, rect., 1000 to drums ib .12 1/2: .14	Chalk, precip. light, 175 h bbls. h .04 1/2: .05 Cherry Laurel Water, 5 gal cans.gal 1.15 : 1.25
Ethyl Caproste, 120 bot	3.25	: 3.50	Musk Ambrette, 1 lb cans lb 14.50 : 16.00	
Ethyl Cinnamate, 110 bot10	3.50	: 3.75	Musk Ketone, 1 to cans to 17.75 : 19.00	
Ethyl Formate, 5 lb bot lb	2.00	: 2.10	Musk Xylene, 5 lb cans lb 4.50 : 5.00	Landin hydrous, 350 lb bblalb .15 : .21
Ethyl-methyl Paracresol, 1 lb bot, lb	3.25	: 3.50	Nerolin, 1 lb cans lb 1.65 : 2.00	
Ethyl Phenylacetate, 5 lb bot lb	3.75	: 4.00	Oenanthic Ether, 1 D bot D 1.50 : 2.00	Anhydrous, 350 fb bbls fb .18 : .23 Musk pods, Cabardine, timsoz 16.00 : 17.00
Ethyl Propionate, 1 D bot D	2.25	: 2.50	Phenylacetaldehyde, Dom.,	
Ethyl Valerata, 5 D bot D	4.50	: 4.75	1 lb bot	Tonquin, tins
Ethyl Salicylate, 5 lb bot lb	3.25	: 3.50	Imported	Tonquin, tins
Formic Ether, See Ethyl Formate	0.20	. 0.00	80-85 p.e	Synthetic. See Aromatic Chemicals
Geranyl Acetate, 1 lb bot lb	5.00	: 5.50	Phenylacetic Acid, 1 h bot h 3.00 : 3.25	Orris Rt. Flor., powd. bbls, 10 .081/4: .09
Geranyl Butyrate, 1 lb bot lb		: 13.50	The state of the s	Verona, bbls
Geranyl Formate, 1 lb bot lb		: 12.50	Phenyl Diacetate, 10z. bot 3.25 : 3.50	Petrolatum, snow white 350 m bbls. m .1236: .13
Heliotropin, dom., 100-10 hs., h	1.85	: 2.00	PHENYLETHYLALCOHOL dom.,	Light Amber, 350 m bbls m .04%: .05
Imported		: 2.75	1 m bot	Rice Starch, 140 lb bgs lb .09 : .10
Hydroxycitrerellal, 1 lb bot lb		: 14.00	Imported	Rose Water, 6 2-3 gal chrsgal 1.00 : 1.25
Indel. CP. 1es. bot		: 6.50	Phenylethyl Butyrate, 1 h bot h 26.00 : 28.00	Sandalwood chips, powd., bags Ib .30 : .35
Ionone, 1 h bot. 100%h		: 11.00	Phenylethyl Formate, 1 b bot b 19.00 : 21.00	Saponin, 5 lb tins lb 1.25 : 1.50
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Beta	12.75	: 14.50	Pherylethyl Valerate, 1 lb bot lb 25.00 : 29.00	Talc French, 220 lb bagston 30.00 : 45.00
Methyl		: 18.00	Phenylpropylaleohol, 17b bot Ib 15.00 : 16.00	Tale, domestic ref., 100 lb bags. ton 16.00 : 18.00



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Nat. Bk., Hamburg; 200 cylinders, C. Hardy lnc., Harve; Muriate, 6,000 bgs., Order, Antwerp (UICKSILVER—200 flasks, Order, Trieste (UININE—60 cs., R. W. Greeff & Co., Rotterdam; 28 cs., Order, Rotterdam; 28 cs., Order, Rotterdam; 29 cs., Drs., Order, Trieste: Arrow, 25 cs., J. P. Smith & Co., London; Medical, 26 bls., Order, Hamburg SEEDS—Caraway, 50 bls., Spencer Imp. Co., Rotterdam; 100 bls., Sokol Co., Rotterdam; 50 bgs., Vulcan Foreign Commerce Corp., Rotterdam; 100 bls., Sokol Co., Bombay; 10 cs., Brown Bros. & Co., Bombay; 10 cs., Order, Bombay; Caster, 580 bgs., Order, Cape Haitien; 110 bgs., Hutlinger & Struller, Port de Paix; 4,781 bgs., Volkart Bros., Torder Bombay; 9,330 bgs., Volkart Bros., Cocanada; 10,712 bgs., Order Cocanada; 150 bgs., S. L. Brunley, Port au Prince; 1,630 bgs., Amer. Trdg. Co., Calcutta: Cumin, 89 bgs., Order, Bombay; Flax, 55,558 bgs., Spencer Kellogg & Sons., Buenos Aires; Mustard, 333 bgs., Bk. of Amer. Bombay; Poppy, 100 bgs., Levy & Lewis Co., Rotterdam
SENNA—Pods, 25 bls., Order, Colombo: 16 bls., Chase Nat. Bk., Suez; Sifftings, 65 bls., Nat. Bk. Minn., Suez
SHELLAC—300 bgs., H. W. Peabody & Co., Calcutta; 500 bgs., H. Veabody & Co., Calcutta; 500 bgs., H. V. Peabody & Co., Calcutta; 500 bgs., H. W. Peabody & Co., Calcutta; 500 bgs., M. W. Peabody &

Bk. Minn., Suez
SHELLAC-300 bgs., Brunswick Balke Collender Co., Calcutta; 200 bgs., Mac Lac Co., Calcutta; 500 bgs., H. W. Peabody & Co., Calcutta; 500 bgs., Brns. Blke Cldr Co., Calcutta; 800 bgs., Brns. Blke Cldr Co., Calcutta; 100 bgs., Marx & Rawolle, Calcutta; 150 bgs., Brunswick Balke Collender Co., Calcutta; 100 bgs., Mac Lac Co., Calcutta; 150 bgs., Standard Bk. of So. Africa, Calcutta; 1,400 bgs., Order, Calcutta; Button Lac, 50 es., Order, Calcutta; Button Lac, 50 es., Order, Calcutta; Seed Lac, 110 bgs., Marx & Rawolle, Calcutta; 825 bgs., Order, Calcutta; 100 bgs., Standard Bk. of So. Africa, Calcutta; 150 bgs., Order, Calcutta; 150 bgs., Standard Bk. of So. Africa, Calcutta; 150 bgs., Standard Bk. of So. Africa, Calcutta; 150 bgs., Order, Calcutta; Sticklac, 168 cs. Bennett & Co., Singapore SILVER-Sulfide, 90 sks., Watson, Geach & CO., Antofagasta

SILVER-Sulfilde, 90 sks., Watson, Geach & Co. Antofagasta SODIUM SALTS—Bromide, 8 cs., Order, Hamburg: Cyanide, 230 cs., Panama Pacific Line Liverpool; 60 cs., Order, Liverpool; Hyposulfite, 100 cks., C. Hardy Inc., Hamburg; 23 cks., Kuttroff, Pickhardt & Co., Rotterdam; Nitrate, 36,141 bgs., Wessel, Duval & Co., Iquique; 13.797 bgs., W. R. Grace & Co., Iquique; 13.797 bgs., W. R. Grace & Co., Iquique: Prusslate, 14 cks., Order. Rotterdam; SULFUR-24 cks., Mallinckrodt Chem. Wks., Liverpool

Liverpool
TAPIOCA-Pearl, 161 bgs., Catz Amer. Co.,
Batavia; 185 bgs., Catz Amer. Co., Batavia
TARTAR-Cream, 50 bls., Order, Rotterdam
THEOBROMINE—1 cse., R. W. Greeff & Co.,

Rotterdam TURMERIC-505 bgs., Amer. Exch. Nat. Bk,

Cocanada

VARILLA—Beans, 11 cs., Rosco Trdg. Co.,
Guadeloupe; 6 cs., Brown Bros. Co., London;
4 cs., L. C. Dever, London

WAX—800 bgs. Order. London; 16 bgs., T. J.
Owen Co., Santiago; 85 bgs, Italia Amer.

Shpg. Co., Naples; Bees, 25 bgs., Guaranty Trust Co., Valparaiso; 14 bbls., Order, Cienfuegos; 13 bgs., Royal Bk. of Canada, Santiago; 102 cs., Smith & Nichols, Havre; 8 pgs., Cordillera Comm. Co., Puerto Plata; 2 seroons W. Schall & Co., Puerto Plata; Carnauba, 93 bgs., Strohmeyer & Arpe Co., Brazil; 79 bgs., N. Y. Trust Co., Brazil; 120 bgs., J. H. Rossbach & Bros., Brazil; 234 bgs., Nat. City Bk., Brazil; 218 bgs., Elbert & Co., Brazil; 246 bgs., Order, Glasgow WHITING—1,950 bgs., Taintor Trdg. Co., Dunkirk

kirk WITHERITE-200 tons, Order, Newcastle on Tyne WOODFLOUR-898 sks., B. L. Soberski, Rot-

wool GREASE-100 bbls., Order, Bremen; 20 bbls., Pfaltz & Bauer, Bremen

IMPORTS AT BALTIMORE

POTASH-5 cks., 2,000 lbs., F. H. Shallus Co., Yeifuku Maru, Hamburg; Caustic, 200 drs., 113,419 lbs., F. H. Shallus Co., Yeifuku Maru.

113,419 lbs., F. H. Shallus Co., Yeifuku Maru, Hamburg
SODA—Mitrate, 49,344 bgs., 3,550½ tons, Gibbs & Co., New York, Anglo-American, Caleta Colosa; 60,241 bgs., 4,328 tons, Gibbs & Co., New York, Anglo-American, Pisagua WOOL GREASE, 200 cks., 160,000 lbs., Shapiro & Co., Yeifuku Maru, Hamburg

July 23 to 30
BARYTES—18,351 bgs., 220,060 lbs., Roessler & Hasslacher Chem. Co., N. Y., Seattle Spirit, Hamburg

BARYTES—18,351 bgs., 230,060 fbs., Roessler & Hasslacher Chem. Co., N. Y., Seattle Spirit, Hamburg GREASE—Wool, 150 bbls., 73,482 fbs., Amer. Trust Co., Boston, Emden, Hamburg LOGWOOD—70 tons, J. S. Young Co., schooner Jacob W. Hook, St. Marc, Haiti MEDICAL GOODS—3 pkgs., 97 fbs., Louis Warner, Emden, Hamburg & Hasslacher Chem. Co., N. Y., Seattle Spirit, Hamburg; 156 bbls., 140,972 fbs., Roessler & Hasslacher Chem. Co., N. Y., Seattle Spirit, Hamburg; Kainit, 998,800, 495,400 fbs., F. H. Shallus Co., Porta, Bremen; 499,400 fbs., F. H. Shallus Co., Fmcha Potash Syndicate, Burgos, Antwerp; 30%, 430,530 fbs., French Potash Syndicate, Burgos, Antwerp; 499,437 fbs., F. H. Shallus Co., Emden, Hamburg; 499,437 fbs., F. H. Shallus Co., Emden, Hamburg; 499,464 fbs., F. H. Shallus Co., Emden, Hamburg; 499,465 fbs., F. H. Shallus Co., Emden, Hamburg; 499,467 fbs., F. H. Shallus Co., Emden, Hamburg; 499,548 fbs., F. H. Shallus Co., Emden, Hamburg; 490,540 fbs., F. H. Shallus Co., Emden, Hamburg; 490,000 fbs., F. H. Shallus Co., Emden, Hamburg; 490,600 fbs., F. H. Shallus Co., Emden, Hamburg; 490,600 fbs., F. H. Shallus Co., Emden, Hamburg; 490,600 fbs., F. H. Shallus Co., Emden, Hamburg; 490,540 fbs., F. H. Shallus Co., Emden, Hamburg; 490,540 fbs., F. H. Shallus Co., Emden, Hamburg; 490,600 fbs., F. H. Shallu Syndicate, Burgos, Antwerp; 22,223 bgs. 50%, 450,000 lbs., French Potash Syndicate, Burgos, Antwerp; 1,000 bgs., 200,000 lbs., F. H. Shallus Co., Emden, Hamburg; 500 bgs., 100, 000 lbs., F. H. Shallus Co., Emden, Hamburg; 1,000 bgs., 200,848 lbs., F. H. Shallus Co., Emden, Hamburg; 500 bgs., 100,000 lbs., F. H. Shallus Co., Emden, Hamburg; 500 bgs., 100,000 lbs., F. H. Shallus Co., Emden, Hamburg; 499 bgs., 100,274 lbs., F. H. Shallus Co., Emden, Hamburg; 1,000 bgs., 200,948 lbs., F. H. Shallus Co., Emden, Hamburg; 1,000 bgs., 200,948 lbs., F. H. Shallus Co., Emden, Hamburg; 1000 bgs., 200,848 lbs., F. H. Shallus Co., Emden, Hamburg; 1000 bgs., 200,848 lbs., F. H. Shallus Co., Emden, Hamburg; 100 bgs., 200,474 lbs., F. H. Shallus Co., Emden, Hamburg; 1,000 bgs., 200,848 lbs., F. H. Shallus Co., Emden, Hamburg; 200

IMPORTS AT BOSTON

July 25 to August 2

ACID-Formic, 84 carboys, Monmouth Chem.
Co., Antwerp

CASEIN-1,439 bgs., Order, Buenos Aires; 1,168
bgs., Order, Buenos Aires

EPSOM SALT-400 bgs., A. Klipstein, Ham-

burg EXTRACT—Quebracho, 5,898 bgs., Order, Buenos Aires: 1954 bgs., Order, Buenos Aires FULLER'S EARTH—750 bgs., Order, Antwerp GLAUBER'S SALT—1,500 bgs., R. & H. Chem.

GUM—Copal, 136 bgs., Order, Antwerp OII—Codliver, 40 cks., Order POTASH—43 cks., Order, Hamburg; Chlorate, 420 bbls., Monmouth Chem. Co., Antwerp SAL AMMONIAC—31 cks., A. Klipstein & Co., Hamburg SODIUM-Nitrate, 8,900 tons, J. B. Moore, So. America
TALC-650 bgs., Order, Med. Ports
WAX-Moutan, 1,000 bgs., L. A. Salomon & Bros, Hamburg WOOL GREASE-100 bbls., A. Klipstein & Co.,

IMPORTS AT PHILADELPHIA

July 23 to 30 BARYTES-290,490 kilos, Phila. Nat. Bk., Rotterdam BEES WAX-50 cs., Brown Bros. & Co., Hamburg
CELLULOSE ACETATE — 405 bbls., Sears,
Roeback & Co., London
NAPHTHALENE—109 wls., Order, Hamburg
OIL—Palm, 51 cks., African & Eastern Tdg.
Co., Hamburg
SAL AMMONIAC—50 cs., Roessler & Hass-

IMPORTS AT NEW ORLEANS

July 5 to 11 BONES-Crushed, 452,247 lbs., Order, Buenos Aires CELLULOSE-Sulfate, 127 bales, Order, CELLULOSE—Sunate, 127 bates, Order, Bremen
OIL—Olive, 250 casks, Order, Genoa
RESIN—25 bbls., Order, West Indies; 1,422
bbls., Order, Liverpool
SALT—780 sacks, Order, London
WAX—325 bags, Order, Liverpool; 385 cases,
Order, Manchester
Order, Manchester

CREOSOTE—3.883 tons, Barnett & Co., London NITRATE OF SODA—49,096 bgs., W. R. Grace & Co., Iquique OXALIC ACID—49,907 lbs., Norway SALT CAKE—681,000 lbs., England

OIL—Creosote, 8,000 lbs., England July 24 to August 1 OIL—Creosote, 8,000 tons, N. Y. Trust Co., Middlesborough; 6,182 tons, Amer. Creosote Wks., Rotterdam POTASH, Muriate, 3,000 sks., Order, Antwerp; 272 tons, Order, France

June 28 to July 5

ALBUMEN—56 cases, Stein Hall & Co., Shanghai; 1 case, Paul I. Fagan Co., Shang-hai
OIL—Peanut, 40 cases

hai
OIL—Peanut, 40 cases, Hop Wo Lung, Hongkong; 200 cases, Wo Kee & Co., Hongkong;
Wood, 630 casks, N. Hale Co., Chefoo
ARAFINE—1,600 bags, Shell Oil Co. of Cali-

>ARAFFINE—1,600 bags, Shell Off Co. of Castrofornia, Balikpappa, 200 bags, Hop Wo Lung, Hongkong; 2 cases, Luen Chong Co., Hongkong; 10 cases, Kwonk Kee Chan, Hongkong; 19 cases, Shilm Sing Chong, Hongkong; 10 cases, Sni Lee, Hongkong; 3 cases, Sing Chases, Sni Lee, Hongkong; 3 cases, Sni Lee, Hongkong; 3 cases,

Shun STARCH-10 cases, Kwong Kee Chan, Hong-kong: 15 cases, Him Sing Chong, Hongkong TURPENTINE-500 cases, Otis McAllister & Co., Manzanillo

July 5 to July 12 ARSENIC-350 cases, Italian American Bk., NASDRAU-030 C. 1858, Italian American Bk., Yokohame EXTRACTS—Quebracho, 1,030 bags, American National Bank, Buenos Aires; 837 bags, Order, Bueros Aires FERTILIZER—Animal Tankage, 4,130 bags, Order, Bahia; Dried Blood, 2,094 bags, Order, Bahia

Bahia; 3,951
LINSEED—7,830 bags, Order, Bahia; 3,951
bags, West Ccast Kalsomine Co., Bahia;
424 bags, Bank of California, N. A., Bahia
SEED—Canary, 407 bags, W. R. Grace & Co.,
Buenos Aires
SHELLAC—60 bags, H. W. Peabody & Co.,
Calonitic

AGAR AGAR—10 bales, Bk. of Calif., N. A., Kobe
ALBUMEN-250 cs., Swift & Co., Canton; 6
pkgs., S. L. Jones & Co., Tientsin; 10 cs.,
Paul I. Fagan & Co., Shanghai
ARSENIC-330 cs., Intertl. Bkg. Corp., Yoko-

hama 20 cs., L. H. Rutcher Co., Hamburg OXIDE—20 cs., L. H. Rutcher Co., Hamburg SEEDS—Mustard, 200 bgs., The Amer. Finance & Commerce Co., of San Francisco, Rotterdam; 5 bgs., Standard Seed and Farms of Stockton. Rotterdam; Poppy, 100 bgs., Order, Pattarder Rotterdam TARTAR-338 bgs., Amer. Cream Tartar Co.,

WAX-2 bgs., Shell Oil Co, Balikpappan

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